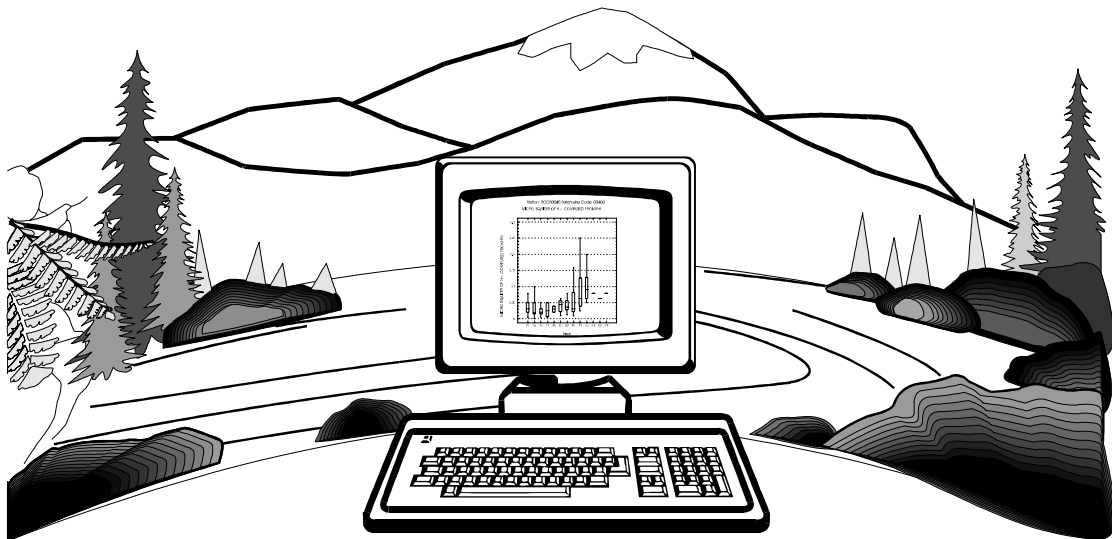
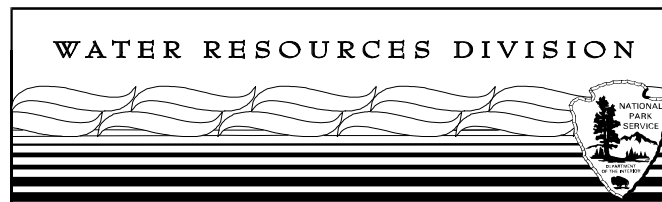

BASLINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

Prince William Forest Park



WATER RESOURCES DIVISION AND SERVICEWIDE INVENTORY AND MONITORING PROGRAM



*National Park Service - Department of the Interior
Fort Collins - Denver - Washington*

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BASELINE WATER QUALITY DATA
INVENTORY AND ANALYSIS
PRINCE WILLIAM FOREST PARK

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-94/26

AUGUST 1994

United States Department of the Interior
National Park Service
Washington, D.C.

EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Prince William Forest Park (PRWI) from five of the United States Environmental Protection Agency's (EPA) national databases: (1) Storage and Retrieval (STORET) database management system; (2) River Reach File (RF3); (3) Industrial Facilities Discharge (IFD); (4) Drinking Water Supplies (DRINKS) and; (5) Flow Gages (GAGES). This document is one product resulting from a cooperative contractual endeavor between the National Park Service's Servicewide Inventory and Monitoring Program, the National Park Service's Water Resources Division (WRD), and Horizon Systems Corporation to retrieve, format, and analyze water quality data for all units of the national park system containing significant water resources. The primary goal of the project is to provide descriptive water quality information in a manner and format that is both consistent with the goals of the Servicewide Inventory and Monitoring Program and useable by park resource managers. The document provides: (1) a complete inventory of all retrieved water quality parameter data, water quality stations, and the entities responsible for the data collection; (2) descriptive statistics and appropriate graphical plots of water quality data characterizing annual and seasonal central tendencies and trends; (3) a comparison of the park's water quality data to relevant EPA and WRD water quality screening criteria; and (4) an Inventory Data Evaluation and Analysis (IDEA) to determine what Servicewide Inventory and Monitoring Program water quality parameters have been measured within the study area. Accompanying the report are disks containing digital copies of all data used in the report, as well as all components of the report (tables, figures, etc.).

The results of the retrievals for the PRWI study area from the IFD, DRINKS, and GAGES databases located 3 industrial/municipal dischargers, 6 drinking water intakes, and 1 active or inactive U. S. Geological Survey gaging station. The results of the STORET retrieval for the study area yielded 12,556 observations for 179 separate water quality parameters collected by 3 federal and state government agencies at 43 water quality stations. Twenty-six of the stations yielded data collected within the park boundary. Most of the sampling stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Three stations within the study area yielded longer-term records consisting of multiple observations for several important water quality parameters. These stations are: (1) Rt. 1 Bridge (Prince William-Stafford Co. Line) (PRWI 0001); (2) Rt. 1 (Business) Bridge (PRWI 0010); and (3) Rt. 619 Bridge (PRWI 0033). No stations having longer-term records were located within the park boundary.

Screening criteria consisting of published EPA water-quality criteria and instantaneous concentration values selected by the WRD were used to identify potential water quality problems within the study area. While the criteria represent important threshold concentrations of pollutants, it is important to remember that criteria may have been exceeded due to any number of natural or anthropogenic factors, including errors in field, laboratory, and/or recording procedures. The reader is advised to read the Introduction for additional caveats in interpreting the exceeded criteria in this report. The results of the PRWI water quality criteria screen found 10 parameters that exceeded screening criteria at least once within the study area. The pH exceeded the EPA chronic criteria for the protection of aquatic life. Cadmium, copper, lead, zinc, sulfate and chlorine exceeded their respective drinking water criteria and/or EPA acute criteria for protection of freshwater aquatic life. Indicator bacteria (total coliform and fecal coliform) concentrations and turbidity exceeded WRD screening limits for primary-body contact recreation and aquatic life, respectively.

The pH was measured 619 times at 17 monitoring stations throughout the study area from 1951 through 1993. Most observations were recorded near 2 bridges on Route 1 (PRWI 0001, PRWI 0010). Two-hundred-forty-five observations at 12 monitoring stations were outside the pH range of 6.5 to 9.0 standard units (EPA chronic criteria for freshwater aquatic life). Two observations were greater than or equal to pH 9.0 and 243 were less than or equal to pH 6.5.

Turbidity was measured 145 times at 5 monitoring stations from 1982 through 1993. The WRD screening criterion of 50 JTU/NTU was exceeded 5 times at 2 stations located near bridges on Route 1 (PRWI 0001, PRWI 0010).

Total coliform concentrations were determined 21 times at 2 monitoring stations from 1982 through 1985. Seven observations near bridges on Route 1 (PRWI 0001, PRWI 0010) exceeded the 1000 MPN per 100 ml criteria. Fecal coliform concentrations were determined 370 times at 5 monitoring stations from 1972 through 1993. Eighty-two observations at 4 stations exceeded the 200 MPN/CFU per 100 ml criteria. Fecal coliform concentrations exceeded criteria near bridges on Routes 1 and 619, and Route 643 (PRWI 0001, PRWI 0010, PRWI 0033, PRWI 0042).

Total sulfate concentrations were measured 119 times at 14 monitoring stations from 1951 through 1993. The proposed drinking water criterion of 400 mg/L was exceeded once in 1983 at the PRWI Pyrite Mine (PRWI 0022).

Total residual chlorine concentrations were measured 25 times at 3 monitoring stations from 1972 through 1986. The acute freshwater criterion of 0.019 mg/L was exceeded 3 times near 2 bridges on Route 1 (PRWI 0001, PRWI 0010).

Total cadmium concentrations were measured 53 times at 6 monitoring stations from 1972 through 1993 (22 observations were used in the criteria analysis; see Introduction for explanation). The acute freshwater criterion of 3.9 µg/L and the drinking water criterion of 5 µg/L were exceeded 4 and 3 times respectively at three stations along Route 1 (PRWI 0001, PRWI 0006, PRWI 0010).

Total copper concentrations were measured 63 times at 11 monitoring stations from 1972 through 1993 (60 observations were used in the criteria analysis; see Introduction for explanation). The freshwater acute criterion of 18 µg/L was exceeded 20 times at 6 stations located throughout the study area (PRWI 0001, PRWI 0010, PRWI 0020, PRWI 0022, PRWI 0042, PRWI 0043).

Total lead concentrations were measured 62 times at 11 monitoring stations from 1975 through 1993. The proposed drinking water criterion of 5 µg/L was exceeded 14 times at 3 stations located at bridges on Routes 1 and 619 (PRWI 0001, PRWI 0010, PRWI 0033).

Total zinc concentrations were measured 61 times at 11 monitoring stations from 1972 through 1993. The freshwater acute criterion of 120 µg/L was exceeded 16 times at 5 stations located at bridges on Routes 1 and 619, Quantico Creek and the PRWI Pyrite Mine (PRWI 0001, PRWI 0010, PRWI 0033, PRWI 0020, PRWI 0022).

The IDEA conducted for PRWI indicates that STORET data exist for all Level I parameter groups in the study area. Sufficient quantities of timely data were retrieved for the required chemical parameter groups (alkalinity, pH, conductivity, dissolved oxygen, water temperature, flow, turbidity, nitrogen, phosphorus, sulfate, and bacteria). Results for 32 of the 127 EPA priority toxic pollutants (including metals, general organics, pesticides and PCBs) were retrieved from STORET. The organic and PCB data were from 2 stations (PRWI 0001, PRWI 0010).

Quantico Creek and its tributaries are the major surface-water resources in the study area. Based on the data inventories and analyses contained in this report, surface waters within the PRWI study area generally are of good quality. Elevated trace element concentrations at selected stations potentially indicate some impact from the abandoned PRWI pyrite mine and transportation corridors.

TABLE OF CONTENTS

EXECUTIVE SUMMARY	v
TABLE OF CONTENTS	vii
I. INTRODUCTION	1
Goal	1
Purpose	1
Objectives	1
Document Overview	2
Caveats	2
Key Personnel	3
II. METHODOLOGY	5
Delineation of Park Study Area	5
Data Sources	5
Data Retrieval and Analysis Procedures	7
Park Unit Databases	8
Screening Methodologies and Procedures	9
STORET Edit Criteria	9
Date Screen	10
Station Type Screen	10
Phase 0 Parameter Screen	11
Phase 1 Parameter Screen	11
Media Type Screen	11
Remark Code Screen	11
Composite Type Screen	13
Phase 2 Parameter Screen	14
Observations/Period of Record Screen	15
Statistical Definitions	17
III. INTERPRETIVE GUIDE TO WATER QUALITY RESULTS	19
Overview	19
Regional Location Map	19
Water Quality Monitoring Locations Map(s)	19
Dischargers, Drinking Intakes, Gages, and Impoundments Map(s)	20
Industrial Facilities Discharges, Drinking Water Intakes, and Stream Gages Table	20
Representative Mean Annual Hydrograph for Seasonal Analysis	20
Contacts for Agency Codes Retrieved	21
Quantity of Data Retrieved by Agency Code	21
Station Period of Record Tabulation	21
Parameter Period of Record Tabulation	22
Station/Parameter Period of Record Tabulation	22
Station-By-Station Results	22
Station Inventory for Station	23
Parameter Inventory for Station	23
EPA Water Quality Criteria Analysis for Station	23
Time Series Plots for Station	24
Annual Analysis for Station	25
Annual Box-and-Whiskers Plots for Station	25
Seasonal Analysis for Station	25

Seasonal Box-and-Whiskers Plots for Station	26
EPA Water Quality Criteria Analysis for Entire Park Study Area	26
NPS Servicewide Inventory and Monitoring Program	
“Level I” Water Quality Inventory Data Evaluation and Analysis (IDEA)	26
Water Quality Observations Outside STORET Edit Criteria for Park	28
 IV. WATER QUALITY RESULTS	29
Overview	31
Regional Location Map	32
Water Quality Monitoring Locations Map(s)	33
Dischargers, Drinking Intakes, Gages, and Impoundments Map(s)	34
Industrial Facilities Discharges, Drinking Water Intakes, and Stream Gages Table	35
Representative Mean Annual Hydrograph for Seasonal Analysis	36
Contacts for Agency Codes Retrieved	37
Quantity of Data Retrieved by Agency Code	38
Station Period of Record Tabulation	39
Parameter Period of Record Tabulation	40
Station/Parameter Period of Record Tabulation	43
Station-By-Station Results	55
PRWI0001 Rt. 1 Bridge(Prince William-Stafford Co. Line)	57
PRWI0002 Russell Road (Stafford Co)	118
PRWI0003 Camp Mainside Grey Reservoir	120
PRWI0004 Camp Mainside Breckenridge Reservoir	121
PRWI0005 South Branch Chopawamsic Creek	122
PRWI0006 Route 1 (Prince William Co)	124
PRWI0007 Route 619 (Stafford Co)	126
PRWI0008 S F Quantico Creek Trib No 5 Near Dumfries, VA	128
PRWI0009 Route 619 (Stafford Co)	129
PRWI0010 Rt. 1 (Business) Bridge	131
PRWI0011 N Branch Chopawamsic Cr Nr Independent Hill, VA	199
PRWI0012 S F Quantico Creek at Orenda Rd Nr Dumfries, VA	200
PRWI0013 S F Quantico Cr Trib 6 at Mouth Nr Dumfries, VA	201
PRWI0014 S F Quantico Cr Trib No 3 at Mouth Nr Joplin, VA	202
PRWI0015 S F Quantico Creek at Park Rd Near Joplin, VA	203
PRWI0016 S F Quantico Cr Trib No 4 at Mouth Nr Joplin, VA	204
PRWI0017 Mary Bird Branch at Mouth Near Dumfries, VA	205
PRWI0018 S F Quantico Creek Near Dumfries, VA	206
PRWI0019 S F Quantico Creek Trib No 7 Near Dumfries, VA	209
PRWI0020 Quantico Creek Near Dumfries, VA	210
PRWI0021 Quantico Creek South Fork at Loop Road	213
PRWI0022 Prince William Forest Park Pyrite Mine	214
PRWI0023 S F Quantico Cr Trib No 2 at Mouth Nr Joplin, VA	216
PRWI0024 S F Quantico Creek Below Trib 1 Near Joplin, VA	217
PRWI0025 Quantico Creek Ab Pyrite Mine Nr Dumfries, VA	218
PRWI0026 S F Quantico Creek Trib 1 at Mouth Nr Joplin, VA	220
PRWI0027 S F Quantico Creek at Camp 5 Near Joplin, VA	221
PRWI0028 S F Quantico Cr Trib No 8 at Mouth Nr Joplin, VA	222
PRWI0029 Quantico Cr Trib 1 at Priv Rd Nr Dumfries, VA	223
PRWI0030 S F Quantico Cr Trib 1 at Trail 10 Nr Joplin, VA	224
PRWI0031 S F Quantico Creek at Mawavi Rd Near Joplin, VA	225
PRWI0032 S F Quantico Creek Near Independent Hill, VA	226
PRWI0033 Rt. 619 Bridge	228
PRWI0034 Quantico Creek Below Camp 4 Near Dumfries, VA	230
PRWI0035 Mary Bird Branch at Taylor Farm Rd Nr Joplin, VA	231

	PRWI0036 S F Quantico Cr Trib 7 Nr Independent Hill, VA	232
	PRWI0037 Quantico Cr at Burma Rd Nr Independent Hill, VA	233
	PRWI0038 Quantico Creek South Fork at Malawi Fire Rd	235
	PRWI0039 Quantico Cr at Trail Nr Independent Hill, VA	236
	PRWI0040 Quantico Cr Trib No 3 Nr Independent Hill, VA	237
	PRWI0041 Quantico Creek North Fork at Burma Fire Road	238
	PRWI0042 Rt. 643 (Prince William County)	239
	PRWI0043 Rt. 640 (Prince William County)	241
	EPA Water Quality Criteria Analysis for Entire Park Study Area	243
	NPS Servicewide Inventory and Monitoring Program	
	“Level I” Water Quality Inventory Data Evaluation and Analysis (IDEA)	245
	Water Quality Observations Outside STORET Edit Criteria for Park	250
V.	APPENDICES	251
A.	Computer Files Transmitted With Park Baseline Water Quality Data Inventory and Analysis	A-1
B.	Water Quality Database File Structures	B-1
	Parameter Data File	B-1
	Water Quality Station Data File	B-4
	Industrial Facilities Discharges File	B-6
	Drinking Water Intakes File	B-9
	Water Gage File	B-12
	Water Impoundment File	B-14
	RF3 Structure File	B-18
	RF3 Trace File	B-22
	Catalog Unit Boundary File	B-23
	Encyclopedia File	B-24
C.	STORET Water Quality Control/Edit Checking	C-1
D.	STORET Administrative Parameters	D-1
E.	STORET Parameters Not Suitable for Statistical Analysis	E-1
F.	National EPA Water Quality Criteria Summary	F-1
G.	Inventory Data Evaluation and Analysis (IDEA) Servicewide Inventory and Monitoring Program “Level I” Parameter Groups	G-1
H.	Literature Cited	H-1
I.	Selected General Water Quality References	I-1

INTRODUCTION

The National Park Service's (NPS) Organic Act of 1916 states that the mission of the NPS is to promote and regulate the use of national parks, monuments, and other units "... to conserve the scenery and the natural and historic objects and wildlife therein and to provide for the enjoyment of the same in such a manner and by such means as will leave them unimpaired for the enjoyment of future generations." One task embodied by this mission is preserving and protecting water resources and water dependent environments in parks. Ensuring the integrity of park water quality, due to its importance in sustaining natural, aquatic park ecosystems and supporting human consumptive and recreational use, is fundamental to successfully addressing this task. The first step in ensuring the integrity of park water quality is defining historic and extant water quality.

This document represents one product of an ongoing effort by the NPS Water Resources Division (WRD) and the Servicewide Inventory and Monitoring Program to characterize baseline water quality using existing data at park units containing significant natural resources. This effort was initiated in 1993 by the award of a contract to Horizon Systems Corporation to retrieve, format, and analyze surface water quality data from the Environmental Protection Agency's (EPA) Storage and Retrieval (STORET) database system. The scope of work identified in the Request For Proposals outlined several sequential, interrelated project phases, including, but not limited to: (1) determining the water quality retrieval/query area around each park; (2) downloading and assessing the quality of the data from STORET; (3) generating basic water quality summary statistics and graphic plots; (4) reformatting water quality data for compatibility with the park-based Water Quality Data Management System presently under-development; and (5) providing recommendations concerning possible hardware, software, and personnel options for storing combined park databases in a centralized NPS water quality database. This report documents the results of phases one through four of this effort for this park unit.

Goal

The goal of this document is to provide descriptive water quality information in a format usable for park planning purposes (eg. Water Resources Management Plans, Resource Management Plans, and General Management Plans). The report is designed to characterize baseline water quality rather than assess specific water quality problems at a park. This is consistent with the Servicewide Inventory and Monitoring Program's goal of obtaining basic, "Level I", water quality parameters for key waterbodies at each park (National Park Service 1993). Consequently, this report is best used as a reference document to help design new goal-driven water quality monitoring programs rather than as conclusive evidence of previous or existing water quality problems.

Purpose

The purpose of this report is to inventory existing park water quality data; establish baseline water quality at the park; identify potential water quality problems; and establish a park water quality database. This report is intended to enable park resource managers to compare and contrast water quality data collected as part of ongoing inventory and monitoring programs with historical water quality trends. Additionally, this report is intended to foster better designed park-based water quality inventory and monitoring programs in the future. The water quality databases which accompany this report will also lay the groundwork for establishing a NPS water quality database that will allow Regions and Washington Offices to generate regional and national assessments of park water quality.

Objectives

Specific objectives of the study documented in this report are to:

1. Retrieve water quality and related data from the EPA's STORET and other database systems;
2. Develop a complete inventory of all retrieved data;

3. Produce descriptive statistics and appropriate time series and box-and-whiskers plots of water quality data to characterize period of record, annual, and seasonal central tendencies and trends;
4. Compare water quality data with relevant national EPA water quality criteria on a station-by-station and study area basis;
5. Determine the presence and/or absence of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameters within the study area; and
6. Reformat water quality and other related data for use in the park-based Water Quality Data Management System, presently under-development, and other appropriate analytical tools.

Document Overview

This report is comprised of five chapters. The first chapter, this Introduction, provides a brief statement of the study's background; goal, purpose, and objectives; and the key personnel who helped produce the document. This chapter also contains this brief overview of the document's contents and important interpretive caveats to consider when referring to and using this document. The second chapter focuses on the methods, procedures, and databases that were employed to retrieve and analyze water quality data for the park. The third chapter is the user's interpretive guide to chapter four. Chapter three explains how to interpret all the tables and figures presented in chapter four. Chapter four, which likely comprises the majority of the document (unless there isn't much water quality data for the park), contains detailed inventories, descriptive statistics, graphics, and national EPA water quality criteria comparisons characterizing the park unit's water quality data on a station-by-station basis and over the entire study area. This chapter also contains a comparison of park water quality data with the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters and a listing of water quality observations that were outside the STORET edit criteria range. Chapter five, the Appendices, contains more specialized materials such as the file names and database structures included on floppy disk(s) with this report; STORET edit criteria; national EPA water quality criteria; Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters; selected water quality references; and other materials which provide background on the methods, procedures, and databases used or produced by this study.

The water quality and other related data referenced in this report accompany the document on floppy disk. The water quality parameter data file is in DBASE III+¹ format and will be useable in the park-based Water Quality Data Management System presently under-development. The water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and River Reach databases are also in DBASE III+ and/or ASCII format for ready-use in Geographic Information Systems (GIS), Computer-Aided Design Systems, or Desktop Mapping Systems.

Caveats

While intended primarily as a reference document, it is important that users peruse the first three chapters and Appendices of this report to better understand and interpret the results presented in chapter four. As a means for identifying potential areas for more intensive study, comparisons of the park's water quality data with relevant national EPA water quality criteria for appropriate designated uses² and with the Servicewide Inventory and

¹The use and/or mention of specific proprietary hardware or software packages is for informational purposes only and is not intended to connote or denote an endorsement.

²The Environmental Protection Agency's Quality Criteria for Water 1995 Final Draft (Silver Book) was the primary source of water quality criteria. In the spirit of the other caveats offered in this section, it is important to recognize that water quality criteria are often revised when new or better information become available.

Monitoring Program's "Level I" water quality inventory parameters have been made. Extreme caution must be exercised in interpreting the results of these comparisons. Observations that exceed water quality criteria may have occurred due to any number of natural or anthropogenic factors, as well as other reasons. For example, STORET is a "user-beware" water quality database system. While there is some rudimentary edit (bounds) checking of any data entered in STORET (See Appendix C), users are basically free to enter their own data. Beyond data entry errors, the possibility of inaccurate data entering the system due to inappropriate measurement techniques, sample mistreatment, and other reasons is a serious concern. Consequently, if observations for a particular parameter frequently exceed the EPA water quality criterion over a prolonged time period, the best approach is to examine in detail the data exceeding the criterion. Questions which should be asked regarding the data include: What water source(s) are manifesting the problem? Does the data make sense? Was it collected by a reputable organization following a sound study plan and employing accepted techniques? If the answers to these questions still cause concern, a specific cause and effect water quality investigation focusing on the parameters of concern may be warranted. Similarly, the absence of particular Servicewide Inventory and Monitoring Program "Level I" water quality parameters from the park only means that no entity or organization has collected and entered this data into the EPA's STORET database. Too frequently, data that are collected in and around NPS units never make it into the EPA's national water quality database. These data may exist in published or unpublished reports, file cabinets, or other databases. Before definitively concluding that no baseline data exist for a particular parameter, these alternative resting grounds for data should be investigated. Such a detailed exploration, however, was beyond the scope of this study.

Key Personnel

Many individuals contributed to the design and implementation of this project. The primary contributors and their roles in the project are briefly mentioned below.

National Park Service, Water Resources Division:

Dean Tucker was the Contracting Officer's Technical Representative responsible for designing, coordinating, and implementing all aspects of this effort.

Gary Rosenlieb provided administrative oversight and was involved in quality control for all tasks related to this project.

Barry Long and Roy Irwin reviewed technical tasks and provided water quality expertise related to data analysis.

Gary Smillie provided hydrologic expertise in the determination of hydrologic seasons.

Julie Mattick and Scott Grover helped prepare the report, write the Executive Summary, and produce the seasonal hydrograph.

Allan Gill provided digital cartographic support, both in determining retrieval/query areas and producing graphics.

Jacque Nolan designed the cover and provided publications support.

Horizon Systems:

Cindy McKay served as Project Manager for Horizon Systems, performed the initial requirements analysis, and was involved in all quality control tasks related to the project.

Alan Cahoon was responsible for automating the procedures which produced the water quality databases and Water Quality Results chapter.

Kendrick Gordon served as the Production Technician and was responsible for executing the software and procedures to produce the park unit chapters.

Sue Hanson, P.E., provided technical advice for writing this document.

Dr. Jim Loftis was the data quality analyst for the project.

Armando F. Ballofet, P.E., served as the local technical liaison between Horizon Systems and the NPS.

Other National Park Service:

Several other individuals provided invaluable technical review, comments, administrative support, and/or other assistance, including: Dan Kimball, Bill Jackson, Mark Flora, Gary Williams, John Karish, Brendhan Zubricki, Richard Hammerschlag, Randy Ferrin, Gary Vequist, Mike Martin, Kevin Berghoff, and Dyra Monroe.

METHODOLOGY

This section provides an overview of the procedures and criteria used to retrieve and analyze water quality data for each park unit. Generating baseline water quality data inventories and analyses for all NPS units is a monumental task. To accomplish this undertaking given a very limited budget, the procedures employed to produce each report had to be as generic and automated as possible. Consequently, customization of reports to individual park needs and issues was not feasible. Moreover, such customization was beyond the scope of this effort which was simply intended to produce baseline water quality data inventories for all parks rather than customized issue-driven reports. During the procedure-development stages of the project, specifications for the final product evolved, within the context of the aforementioned resource constraints, to focus on comprehensive water quality baseline data inventories and concise, descriptive statistical examinations of the available water quality data for each park unit. Detailed below are the data sources and final methods and procedures that were used to create the baseline water quality inventories, analyses, databases, and other products for each park unit. A thorough understanding of the limitations of the data sources and procedures described in this chapter and the next (Interpretive Guide to Water Quality Results) is a prerequisite to intelligent use of the results presented in this document.

Delineation of Park Study Area

The first step in retrieving water resources-related data for each park was deciding on a procedure to determine the study area boundary. Since water flows through parks, utilizing the park boundary as a simple query/study area was deemed inadequate. On the other end of the continuum, using the entire watershed as the study area was considered superfluous given: (1) the areal extent of certain park watersheds (eg. the entire Mississippi River); (2) the sheer volume of potentially irrelevant data such a large study area could generate; and (3) the resources required to specify the watershed for each park unit. The approach which was ultimately adopted - a modified hydrologic boundary - reflects a compromise between the park boundary and the entire watershed. Thus the study area employed for each park is an area extending at least three miles upstream and one mile downstream from the park boundary. Although these distances are somewhat arbitrary, this approach is easy to automate and was felt to limit the data retrieved, in most instances, to that of most importance to the park. Extending the query area one mile downstream of the park was intended to capture any data immediately downstream of the park which may reflect the quality of the water in the park. A current (as possible) copy of each park's boundary was obtained in digital format directly from the park or digitized from Regional land status maps, U.S. Geological Survey (USGS) quadrangles, or other sources. Using GIS techniques, the boundary was used to create the three miles upstream, one mile downstream buffer. For a few parks with which WRD water quality specialists were very familiar with potential water quality threats and/or valuable sources of data that may lie just outside the study area, the study area may have been tweaked (enlarged) to cover these areas of concern or interest. Unfortunately, a customized study area was not feasible for all park units. Hence, the three miles upstream, one mile downstream buffer was the primary study area employed for most parks. This study area was transferred to the EPA mainframe computer and used as the basis for all water resources-related data retrievals from the data sources described below.

Data Sources

The EPA maintains many mainframe data systems related to national water resources (U.S. Environmental Protection Agency 1992). Six of these data systems were used for this project:

- STOrage and RETrieval System (STORET) - water quality parameter data, locations of sampling stations, descriptive elements about stations and parameters;
- Industrial Facilities Discharge (IFD) - locations of industrial and municipal point source discharge facilities;

- Drinking Water Supplies (DRINKS) - locations of intake pipes for drinking water supplies;
- Water Gages (GAGES) - locations of USGS and other water gages;
- Water Impoundments (DAMS) - locations of most large water impoundments (greater than 10,000 acre feet at normal pool volume) and many smaller impoundments; and
- River Reach File, Version 3 (RF3) - 1:100,000 scale geographical representation of surface waters (rivers, lakes, etc.) with a unique identifier assigned to each surface water segment and connectivity information useful for routing and navigation.

STORET is the national water quality data repository (U.S. Environmental Protection Agency 1989). Water quality data is entered in STORET by public agencies (federal, state, or local) that collect water samples and/or perform laboratory analysis. As such, STORET is a "user-beware" data system. Although the EPA manages the STORET data system and, since November 1983, has imposed some minimum quality control criteria on the data (See Appendix C), data are generated and input to STORET by the "owner" agencies. Consequently, the EPA does not certify any data within STORET. Currently, there are over 800,000 active and inactive sampling stations and more than 225 million observations covering in excess of 13,000 water quality parameters entered in STORET. The earliest data dates back to the turn of the century. Using the bi-monthly update cycle, user agencies may store results of recent monitoring activities in STORET. Included in STORET is USGS WATSTORE water quality data, which is updated on a monthly basis. Although STORET contains a phenomenal amount of data, it is important to note that data exist in STORET only if the collectors decide to upload their data to the system. Since many agencies and researchers do not upload their data to STORET, the absence of water quality data in the system for a particular area doesn't mean that there has never been any water quality data collected for the area. The data may exist in published or unpublished reports, file cabinets, or in agency-specific databases. Identifying and retrieving these other sources of data were beyond the scope of the present effort. All parameter data and water quality station location data downloaded from STORET within the park's study area are included in DBASE III+ format files on disk(s) accompanying this report (See Appendices A and B).

The data within the IFD database are extracted from the EPA's Permit Compliance System (PCS). IFD contains the facility locations of all industrial and municipal dischargers which require a National Pollutant Discharge Elimination System (NPDES) permit to operate. Over 7,100 municipal, federal, and industrial facilities discharging into the waters of the United States are tracked by PCS and IFD. If any industrial facilities discharges exist within the study area, a file in DBASE III+ format documenting a variety of information about each discharge accompanies this report on disk (See Appendices A and B).

The EPA DRINKS database identifies locations of drinking water supply intakes. This file contains data for 850 supplies which serve more than 25,000 people, and 6,800 supplies which serve between 1,000 and 25,000 people. If any drinking water intakes exist within the study area, a file in DBASE III+ format documenting a variety of information about each intake accompanies this report on disk (See Appendices A and B).

The GAGES data originates primarily with the USGS and copies are maintained on the EPA mainframe computer for ease of integration with other EPA national data systems. Although other agency's water gages, as well as some artificial gages, may appear in GAGES, the vast majority of gages are stream gages belonging to the USGS. The GAGES database contains approximately 36,000 records for both active and inactive gaging stations. If any USGS or other agency stream gages occur within the study area, a file in DBASE III+ format documenting several fields of information about each gage accompanies this report on disk (See Appendices A and B).

The Water Impoundment database was originally compiled by the U.S. Army Corps of Engineers in response to a Congressional inquiry on dam safety hazards (GKY and Associates 1990). The EPA subsequently modified the database for use in water quality investigations. Of the 68,155 dams in the database, 2,125 are considered large (impounding 10,000 acre feet or more at normal pool volume). It is important to note that while the database includes entries for 66,030 smaller dams, estimates place the actual number of dams in the U.S. at several million

(including small farm ponds). If any water impoundments occur within the study area, a file in DBASE III+ format documenting several fields of information about each impoundment accompanies this report on disk (See Appendices A and B).

The RF3 data system is a hydrologic database of surface water features across the U.S. (excluding, at present, Idaho, Oregon and Washington, which currently operate a different system - although this data is expected to be converted to RF3 soon, Alaska and Hawaii). RF3 was created primarily from 1:100,000 scale USGS Digital Line Graph data. RF3 is made up of over 3,000,000 individual "reaches". A reach is generally defined as a portion of surface water between two confluences (U.S. Environmental Protection Agency 1993). The linework underlying RF3 contains over 95,000,000 coordinate points. RF3 is designed to facilitate hydrologic routing, identifying upstream and downstream elements, and specifying the exact location of any point on a stream network. RF3 data exists as a series of traces with associated attributes. The EPA project which is producing RF3 is being conducted in three phases: Compilation, Assessment, and Revision. The Compilation phase is complete except for Idaho, Washington, Oregon, and Alaska. The Assessment phase was completed during the first half of 1994; while the Revision phase was begun in March 1994. One important outcome of the Revision phase is that the reach codes which uniquely identify each surface water feature will change. Consequently, these codes should not be used, at this time, as keys for relating other data to RF3. The RF3 data provided with this document is provisional and should be used only to provide a geographic backdrop for the park's water quality data. RF3 data covering each USGS catalog unit (a geographic area representing a single or multiple drainage basin(s), or some other distinct hydrologic feature (U.S. Geological Survey 1982)) touched by the park's study area is included in ASCII export and DBASE III+ formats on the disk(s) accompanying this report (See Appendices A and B).

For additional information on any of these data systems, contact the EPA Office of Water at (202) 260-7028.

Data Retrieval and Analysis Procedures

The six EPA data systems discussed above reside on the EPA mainframe computer located in Research Triangle Park, N.C. Horizon Systems used a dedicated, leased telephone line with a data transfer rate of 9600 bits per second to download data occurring within the park's study area from all the databases. The bisynchronous communication software and hardware provided error checking during all data transfer procedures.

As described above, the park study/query area boundary was used to select the water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and river reaches associated with the park unit. For various reasons, screening criteria (described later in this section) were employed to select appropriate water quality stations, parameters, and observations. Horizon Systems wrote several mainframe programs to automate, to the greatest extent feasible, the STORET data retrieval and storage procedures. Once the data were extracted from the EPA data systems, they were downloaded to a microcomputer for statistical analyses and reformatted into DBASE III+ compatible format.

Specifically, once on the PC, the data were processed to:

- (1) Reformat the data into DBASE III+ format and other database structures;
- (2) Eliminate questionable data outside the STORET edit criteria ranges (See Appendix C);
- (3) Display on a map the location of water quality monitoring stations and other water resources themes;
- (4) Determine the frequency of water quality observations by station, parameter, and station/parameter;
- (5) Generate descriptive period-of-record water quality statistics in a tabular format;
- (6) Generate appropriate descriptive annual and seasonal analyses of the water quality data in a tabular format;
- (7) Plot appropriate period of record time series and annual and seasonal box-and-whisker graphs;
- (8) Compare the water quality data against relevant EPA national criteria; and

- (9) Compare the water quality data against the NPS Servicewide Inventory and Monitoring Program's "Level I" water quality parameters.

Special customized microcomputer programs (primarily written in Clipper and Microsoft Professional BASIC) and procedures were created to address each of these tasks. All reformatted database files are included on disk(s) accompanying this document. The contents of these databases are described briefly below. Complete database structures are included in Appendices A and B. The descriptive water quality tabular statistics (see "Statistical Analyses" below) were computed based upon NPS specifications. Command or batch files were generated to drive STATGRAPHICS 7.0 in order to produce all the time series and box-and-whiskers plots.

Park Unit Databases

Up to seven digital databases in DBASE III+ and other formats have been created for the park by querying the water resources-related data sources described above. The disk(s) containing these databases accompany the report. The contents of each of these databases are discussed briefly below. More detailed documentation of these databases is included in Appendices A and B.

- (A) Water Quality Parameter Data: This database includes all the water quality parameter data downloaded from STORET that passed the STORET Edit Criteria, Date, Station Type, and Phase 0 Parameter screens (described below) and is summarized tabularly and graphically in this document. This constitutes the park's baseline water quality data. Since it is already in digital format, more sophisticated analysis of the data is possible than the descriptive statistics and graphics presented here.
- (B) Water Quality Station Locations: This database consists of the STORET header information describing each station where water quality data was collected. As the latitude and longitude of the station are included in the database, this file is easily imported into the park's GIS.
- (C) Industrial Facility Discharge Locations: This database includes any industrial or municipal point source discharges located within the park's study area. As the latitude and longitude of each discharge facility are included in the database, this file is easily imported into the park's GIS.
- (D) Drinking Water Intake Locations: This database includes any drinking water intakes located within the park's study area. As the latitude and longitude of each intake are included in the database, this file is easily imported into the park's GIS.
- (E) Water Gage Locations: This database includes water (stream, lake, estuary, well, spring, climate, or other) gages located within the park's study area. Most of the gages will likely be stream gages belonging to the USGS. As the latitude and longitude of each gage are included in the database, this file is easily imported into the park's GIS.
- (F) Water Impoundment Locations: This database includes any water impoundments (dams) located within the park's study area. As the latitude and longitude of each impoundment are included in the database, this file is easily imported into the park's GIS.
- (G) River Reach Data: This database includes all stream traces (1:100,000 scale) and attributes for reaches falling within any USGS catalog unit that touches the park's study area. The traces are geo-referenced in ASCII format. The attributes are in both ASCII export and DBASE III+ formats. This information is also readily incorporated into the park's GIS.

The absence of any of these seven files from the disk(s) accompanying the report indicates that there was either no data of this type within the park's study area or the data was unavailable. Several other files are included on the disk(s) accompanying this report, including digital copies of all the figures and tables contained in the document and some other items. Refer to Appendices A and B for detailed documentation of these files. Not included on

disk is an Encyclopedia File (for WRD reference) that documents the minimum and maximum values for each water quality parameter and the parks in which those values were recorded. When Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks, this Encyclopedia File will be available upon request from the NPS WRD.

Screening Methodologies and Procedures

Developing automated or semi-automated procedures to produce baseline water quality inventories and analyses for all national park units required constant testing and debugging of procedures. Three parks, Rock Creek Park, Yellowstone National Park, and Indiana Dunes National Lakeshore, were used to pilot test and refine the automated procedures. It became evident, after a preliminary analysis of all the downloaded STORET data, especially for Indiana Dunes National Lakeshore, that the specifications for the graphical analyses could generate hundreds (possibly thousands) of plots, many of which would not necessarily be useful. Also, there were many stations; parameters; and/or observations downloaded that were not part of the study's objectives; not overly useful; or of dubious quality. In order to reduce the number of graphical plots (time series, annual and seasonal box-and-whiskers) to fit within project resources, various screening criteria were investigated. Ultimately, a comprehensive set of screening criteria were developed to reduce the number of graphical plots. After initial counts of the total number of possible time series and annual and seasonal box-and-whiskers plots were generated, these counts were used to decide which screening criteria would be applied to limit the number of these plots produced for the park unit. Additional screening criteria were employed to restrict the tabular descriptive statistics results to only those deemed useful to the park. Table A provides the categories of screening criteria and to which analyses the screens were applied. A "yes" entry in the table means that the screening category eliminated or prevented data from appearing in certain tables and plots contained in the document. Consequently, in understanding how data from STORET was used in this report, it may be helpful to keep in mind the three general types of screening criteria: (1) screens that apply to stations; (2) screens that apply to certain parameters at stations; and/or (3) screens that apply only to particular observations of parameters at stations. A detailed description of each of the screening criteria categories follows this table. *It is important to note that statistics in "Inventory" reports may not be consistent with statistics in "Overview" reports since different categories of screening criteria were applied.* Also, if attempting to replicate the results of the statistical and graphical analyses presented in this document, be sure to follow the same screening methodologies.

STORET Edit Criteria

As mentioned previously, STORET is a "user-beware" data system. As the EPA doesn't certify any data in STORET, public agencies enter and are responsible for the quality of their own data. Only data entered since November 1983 have been subjected to any rudimentary edit/bounds checking. Agencies entering data since this date can elect to override the edit/bounds checking for individual observations. USGS WATSTORE water quality data is entered into STORET without any EPA edit/bounds checking to ensure data integrity between WATSTORE and STORET. Unfortunately, during the course of our pilot tests, erroneous USGS and EPA water quality data values were discovered. In order to eliminate as much "bad" data as possible, all water quality data downloaded from STORET was subjected to automatic edit/bounds checking (STORET Edit Criteria contained in Appendix C) for the 190 most common parameters. Observations falling outside the STORET Edit Criteria were documented (See the Water Quality Observations Outside STORET Edit Criteria for Park section in the Water Quality Results chapter) and then retained or discarded from the database and all tables and plots based on whether the value was judged as being in the realm of possibility. Although the STORET Edit Criteria screen likely removed some "bad" data for these common parameters, the probability of other erroneous data in the database is high. Be sure to consult the Caveat section in the Introduction.

Table A. Categories of Screening Criteria and to Which Output Products They Apply (A "yes" Entry Means the Screening Category Eliminated or Prevented Data From Being Used in the Product):							
Screening Category	Data Download	Overview Tables	Inventory Tables	Annual Tables	Seasonal Tables	Standards Tables	Plots (All)
STORET Edit Criteria	yes	yes	yes	yes	yes	yes	yes
Date	yes	yes	yes	yes	yes	yes	yes
Station Type	yes	yes	yes	yes	yes	yes	yes
Phase 0 Parameter	yes	yes	yes	yes	yes	yes	yes
Phase 1 Parameter	no	no	yes	yes	yes	yes	yes
Media Type	no	no	yes	yes	yes	yes	yes
Remark Codes	no	no	yes	yes	yes	yes	yes
Composite Type	no	no	yes	yes	yes	yes	yes
Phase 2 Parameter	no	no	no	no	no	no	yes
Observations/Period of Record	no	no	no	yes	yes	no	yes

Date Screen

Every water quality observation in STORET typically has a sampling date associated with it. Unfortunately, STORET does not prevent users from entering incorrect dates. Consequently, any water quality observation with an incorrect and/or suspect date (eg. a month greater than 12; a day greater than 31; or a sample date later than the STORET retrieval date) were discarded.

Station Type Screen

STORET contains data from a wide variety of stations classified by the type of waterbody in which samples were collected. As this project's purpose was to inventory and analyze surface-water quality, the following surface-water station types were retrieved (clarification provided in parentheses):

Station Types Included In Retrieval

- (a) STREAM
- (b) CANAL
- (c) LAKE
- (d) RESERV (Reservoir)
- (e) SPRING
- (f) FWTLND (Fresh Water Wetland)
- (g) SWTLND (Salt Water Wetland)
- (h) ESTURY (Estuary)
- (i) OCEAN

Ground water and/or other station type data may have been retrieved if the entering agency classified the station type incorrectly. Rectifying this error was beyond the scope and resources of this project.

Phase 0 Parameter Screen

Nearly all water quality parameters associated with each station type listed above were retrieved. The only exception to this was the exclusion of most of the STORET administrative parameters. A complete list of STORET administrative parameters is included in Appendix D. The few administrative parameters that were included in the retrievals are as follows:

<u>Code</u>	<u>STORET Administrative Parameter Description</u>
00027	Code No. for Agency Collecting Sample
00028	Code No. for Agency Analyzing Sample
00063	Sampling Points, Number of In a Cross Section
00111	Ratio of Fecal Coliform to Fecal Streptococci
00115	Sample Treatment Code (1=Raw, 2=Treated)
34772	NPDES Number, Cross Reference
45580	Method of Analysis
74065	Stream Flow Class
74066	Annual Runoff
74067	Soil Classification
74068	Water Quality Designated Use Classification

Phase 1 Parameter Screen

Some of the data retrieved from STORET was not suitable for statistical or graphical analysis. Consequently, this screening criterion eliminated all parameters which were not suitable for statistical or graphical analysis within the context of this project. The full list of these parameters is presented in Appendix E. Examples of parameters excluded from statistical and graphical analysis include the administrative parameters mentioned above, land use acreage, encoded values, dates, latitude/longitude, etc. Excluded parameters do, however, appear in the Parameter Period of Record and Station/Parameter Period of Record (two of the "Overview" Tables), as well as in the water quality parameter file included on disk(s) accompanying this report.

Media Type Screen

Water quality samples can be taken in a variety of aqueous media. Water quality data were retrieved from STORET only if the media were WATER or VERT (vertically integrated). WATER and VERT samples comprise the overwhelming majority of samples in STORET. The media screen eliminated the following water quality sampling media:

<u>Media Screen</u>	<u>Description</u>
BOTTOM	Sampled At the Bottom
DREDGE	Sampled By Dredge
PORE	Pore Sample
CORE	Core Sample

Remark Code Screen

STORET enables the agency collecting water quality samples to provide a qualifying remark for each parameter observation. These remarks provide additional information about the measured or observed value entered into STORET (See Appendix B - Parameter Data File for a complete listing and description of all remark codes). Based on the STORET remark codes, two potential screens were applied to water quality observations based on whether the measured value was used in subsequent analyses: (1) Elimination or (2) Modification/Inclusion.

Elimination:

Non-composite water quality parameters with the remark codes presented in Table B were eliminated from the period of record, annual, and seasonal descriptive statistics and graphics. Not including observations with these remarks was justified by the fact that most of the remarks: (A) indicate either less confidence in the measured value; (B) are remarks for nominal or categorical data that doesn't lend itself to statistical analysis; or, (C) complicate the statistical analysis beyond the scope of this effort. Observations containing these remark codes comprise a very small fraction of the data. Although statistical analyses weren't undertaken on this data, all water quality observations, regardless of remark code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to eliminate all non-composite observations with the remark codes presented in Table B.

Table B. Non-composite Parameters With the Following Remark Codes Were Eliminated From Statistical and Graphical Analysis:	
Remark Code	Description of STORET Remark Code
F	Female Species.
J	Estimated, Not the Result of Analytic Measurement.
M	Presence Verified, But Not Quantified, Below Quantification Limit. For Species, Male. For Oxygen Reduction Potential, Indicates Negative Value.
N	Presumptive Evidence of Presence.
O	Analysis Lost.
V	Analyte Was Detected In Sample and Method Blank.
W	Less Than Lowest Value Reportable Under Remark "T".
Z	Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value.

Modification/Inclusion:

Water quality parameter observations with the remark codes presented in Table C were halved prior to inclusion in period of record, annual, and seasonal descriptive statistics and graphics. These remark codes deal with observations that were below the detection limit for the parameter. The common water quality data analysis convention for these remark codes is to use half of the detection limit in statistical analyses (Ward, Loftis, and McBride 1990; Gilbert 1987). Although this is a somewhat defensible treatment of observations below the detection limit, the statistics that may be computed using these halved values may not be defensible. Consequently, any computed statistics in inventory, annual, or seasonal tables that are comprised of 50% or more K, T, and U remark codes are footnoted "Computed with 50% or more of the total observations as values that were half the detection limit." This will provide the user with some caution in using and interpreting these results. Water quality data included on disk(s) accompanying this report that may have these remark codes are stored as the original entry (detection limit). If you re-analyze this data in order to replicate the results presented here, be sure to substitute half the detection limit value in the database whenever these remark codes are encountered.

Table C. The Value of Water Quality Parameters With the Following Remark Codes Were Halved (Half of the Detection Limit Entered In STORET) Prior to Inclusion In Descriptive Statistics and Graphics:	
Remark Code	Description of STORET Remark Code
K	Off-scale Low, Actual Value Not Known, But Known to Be Less Than Value Shown.
T	Less Than Detection Criteria.
U	Analyzed For But Not Detected, Value is Detection Limit For Process Used. If Species, Undetermined.

Composite Type Screen

Sometimes data entered in STORET represent something other than a single measurement at one location at one point in time. These samples are typically referred to as composite samples due to the fact that they vary temporally and spatially. Consequently, the observation entered into STORET for composite data is typically a computed value that summarizes the data over time and/or space. Such data complicate statistical and graphical analyses and must be handled separately. Such treatment was beyond the scope of this study; although composite values typically represent only a fraction of STORET observations. The composite type screen eliminates all composite observations from statistical and graphical analyses, except those with a composite type code of "A" that have a one day or less sampling period and those with a composite type code "D". All water quality observations, regardless of composite type code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to exclude all composite observations except those with a code of "A" that have a one day or less sampling period and those with a code of "D". Table D presents a list of possible STORET composite type codes.

Table D. Possible STORET Composite Type Codes	
Composite Type Code	STORET Composite Type Description
A	Average
H	Maximum
L	Minimum
N	Number of Observations
#	Number of Observations
S	Standard Deviation
U	Sum of Squares
V	Variance
C	Coefficient of Error
X	Coefficient of Variance
E	Skewness
F	Kurtosis
Z	Number of Obs. That Exceed An Established Limit
%	Precision
\$	Accuracy
B	N/A
D	Indicates Replicate Sample

Phase 2 Parameter Screen

Due to budgetary limitations, the number of graphical plots (time series, annual and seasonal box-and-whiskers) produced had to be manageable - typically no more than 100 total plots. After scrutinizing the results of the pilot tests and the Baseline Water Quality Data Inventory and Analysis Reports produced for the first group of parks, the 19 parameters which, typically, were the most frequently measured at nearly all stations were water temperature, stage, discharge, and various meteorological measurements (See Table E). Consequently, most of the graphical plots produced would be of water temperature, stage, discharge, and meteorological conditions. Although these are important parameters, particularly in conjunction with other water quality parameters, it was felt that plotting resources would be better allocated to other water quality parameters. Consequently the STORET parameter codes listed in Table E never generated graphical plots. It is important to note, however, that these parameters are included in all other aspects of the project, including all applicable period of record, annual, and seasonal descriptive statistics tables.

Table E. Frequently Measured STORET Codes That Were Prevented From Generating Plots	
STORET Parameter Code	STORET Parameter Description
00003	Sampling Station Location, Vertical (Feet)
00010	Water Temperature (Degrees Centigrade)
00020	Temperature, Air (Degrees Centigrade)
00021	Temperature, Air (Degrees Fahrenheit)
00025	Barometric Pressure (MM of HG)
00032	Cloud Cover (Percent)
00035	Wind Velocity (Miles Per Hour)
00036	Wind Direction in Degrees from Trun N (Clockwise)
00040	Wind Direction (Azimuth)
00045	Precipitation, Total (Inches Per Day)
00046	Precipitation, Total (Inches Per Week)
00052	Humidity, Relative (Percent)
00061	Stream Flow, Instantaneous (CFS)
00065	Stream Stage (Feet)
81903	Depth of Bottom of Water @ Sample Site (Feet)
82553	Rainfall In 1 Day Inclusive Prior to Sample (Inches)
82554	Rainfall In 7 Days Inclusive Prior to Sample (Inches)
82371	Rainfall In 3 Days Inclusive Prior to Sample (Inches)
82372	Rainfall In 14 Days Inclusive Prior to Sample (Inches)
85599	Precipitation, Total/Period-Rain Equivalent (Cm/Sample)

Observations/Period of Record Screen

Despite never plotting water temperature, stage, discharge, and meteorological measurements, the number of plots generated by some parks still exceeded the 100 plot limit. Also, some rationale was needed to plot only those parameters with sufficient data density to make a meaningful statistical graphic. For example, time series plots comprised of only a few observations or annual or seasonal box-and-whiskers plots with limited observations and/or data in only one or two years or seasons are not very informative. Consequently, a number of plotting criteria were developed to limit the number of time series and box-and-whiskers plots to, at most, 100 informative graphics by using each parameter's number of observations and period of record. Similar, albeit less stringent criteria, were used for including results of annual and seasonal analyses in descriptive statistics tables. Consequently, there are more summaries of annual and seasonal results in tables than in graphics. Whenever an entry in an annual or seasonal table generated a plot, this entry was footnoted to notify the reader of the presence of the graphic. Due to differing quantities of data at parks, different screening criteria were employed. The same

criteria for appearance in seasonal and annual tables were used for all parks. Table F presents the least stringent plot screens.

Table F. Least Stringent Plot Screening Criteria Used to Limit the Number of Plots Generated

<p>Time Series:</p> <p>To generate a time series plot, a station/parameter combination must have a period of record of at least 2 years and a total of at least 8 observations.</p> <p>Annual Analysis:</p> <p>To generate an annual box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive.</p> <p>Seasonal Analysis:</p> <p>To generate a seasonal box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.</p>
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The exact three plot screens used varied by park unit and are documented in the Overview section of the Water Quality Results chapter. If your park's plotting criteria deviated from these least stringent criteria, it is because too many plots would have been generated using these criteria.

The criteria used for appearance of station/parameter combinations in annual and seasonal analysis tables are presented in Table G. These tabular criteria, which are actually the least stringent plotting criteria, were constant from park to park.

Table G. Criteria Used for Generating Entries in Annual and Seasonal Analysis Tables

<p>Annual Analysis:</p> <p>For an entry to appear in an annual table, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive.</p> <p>Seasonal Analysis:</p> <p>For an entry to appear in a seasonal table, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.</p>
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Statistical Definitions

Since this report is intended only to characterize historical and/or existing water quality at the park rather than address specific water quality problems, only simple descriptive statistics are presented. Inferential and non-parametric statistical analysis to examine relationships and trends were beyond the scope of the study. The complete water quality dataset is provided on disk accompanying this report to afford the opportunity for more detailed exploratory data analysis. The descriptive statistics are included in the inventory, annual, and seasonal tables. Table H provides a brief definition of each descriptive statistic provided for each parameter at a station.

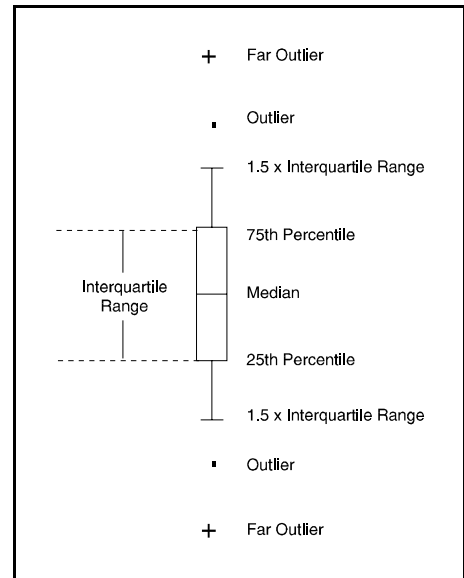
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

Observations:	The number of samples collected.
Median:	The median is the 50th percentile or the value in a dataset sorted in ascending order that exceeds 50% of all observations, yet is also exceeded by the remaining 50% of all observations.
Mean:	The sum of all observations collected divided by the number of observations.
Maximum:	The maximum value observed.
Minimum:	The minimum value observed.
Variance:	This is a measure of variability or dispersion of the observations; or, in other words, describes how many observations are close (or far), from the mean. It is calculated as the weighted average of the squared deviations from the mean.
Standard Deviation:	The positive square root of the variance.
10th Percentile:	The value in a dataset sorted in ascending order that exceeds 10% of all observations, yet is itself exceeded by the remaining 90% of all observations.
25th Percentile:	The value in a dataset sorted in ascending order that exceeds 25% of all observations, yet is itself exceeded by the remaining 75% of all observations. The 25th percentile is also known as the first quartile.
75th Percentile:	The value in a dataset sorted in ascending order that exceeds 75% of all observations, yet is itself exceeded by the remaining 25% of all observations. The 75th percentile is also known as the third quartile.
90th Percentile:	The value in a dataset sorted in ascending order that exceeds 90% of all observations, yet is itself exceeded by the remaining 10% of all observations.

As with the tabular descriptive statistics, the scope of the project limited the generation of exploratory graphics to time series plots and annual and seasonal box-and-whiskers plots. Plots were only generated, however, provided the parameter met or exceeded the relevant plotting criteria specified in the previous section.

Time series plots display the parameter concentration on the Y-axis and the date on the X-axis. This provides the user with a visual feeling for not only the parameter's concentration and variability over time, but also the density of data in different time periods. The time series plots provide a visual representation of the data in the basic station inventory. Due to software limitations, a line connects each measured value in sequence regardless of the time period between samples. Readers are cautioned not to assume that the concentration of the parameter between any two data points can be represented by a straight line. It is likely that the concentration varied between any two observations, particularly if the observations are separated by a significant time period.

The annual and seasonal box-and-whisker plots provide a graphical overview of the measured data and give the user a better understanding of the data's distribution and possible outliers. In essence, the box-and-whisker plots provide a visual representation of the data contained in the annual and/or seasonal tables. The interpretation of the boxes is provided in the figure to the right. Each box encompasses the middle 50 percent of measured values (from the 75th to 25th percentiles). The difference between the 75th and 25th percentiles is also known as the interquartile range. The horizontal line inside each box is the median or 50th percentile. The lines which extend out from each end of the box are the whiskers. The whiskers extend out from first quartile (25th percentile) and third quartile (75th percentile) to the smallest data point within 1.5 interquartile ranges from the first and third quartiles. Observations that extend beyond the whiskers are known as outliers. Far outliers are observations whose values lie more than three interquartile ranges below the first quartile or above the third quartile. These are designated with plus signs.



INTERPRETIVE GUIDE

TO WATER QUALITY RESULTS

This interpretive guide discusses each of the products presented in the next chapter - Water Quality Results. This chapter highlights how each of the tables and figures were prepared and how they can be used. Each subheading in this chapter corresponds to a particular product in the subsequent Water Quality Results chapter.

Overview

The Overview provides a brief one-page summary of the results of the various database retrievals for both the study area and the park. The study area results include the park results since the study area encompasses the park and all lands and waters within at least 3 miles upstream and 1 mile downstream of the park. Thus, the GIS estimated acreage of the study area should always be greater than the park acreage. The park acreage was computed from the digital boundary that was obtained for the park. More than likely this acreage will differ, perhaps significantly, from the "official" published acreage for the park due to the spatial and temporal accuracy of the digital boundary, treatment of inholdings, and other concerns. The number of STORET stations is the number of locations within the study area and park where an agency monitored (or intended to monitor) water quality. The number of stations with no data reveals the number of stations created in STORET for which water quality data were never entered. The number of stations with no statistical analysis reports the number of stations in the study area and park that contain data not amenable to normal parametric statistics. The number of longer term stations indicates the number of stations in the study area and park with at least 6 parameters having periods-of-record extending 2 years with an average of at least 1 observation per year over the period-of-record. The date of STORET retrieval is the calendar date when Horizon Systems downloaded all the data from STORET. Thus, the report documents all data entered in STORET prior to the retrieval date. Keep in mind that an agency can upload archival data at any time. Consequently, a retrieval date only guarantees that as of that date, this report contains all the data that had been entered into STORET. The period of record is the earliest date for which water quality data exist in STORET for the study area and park up to the date when the most recent data were entered prior to the retrieval date. The number of parameters measured is the number of unique water quality parameters measured within the study area and park and entered in STORET. The number of water quality observations is the sum of the total number of observations across all parameters within the study area and park. The number of industrial/municipal facilities discharges, drinking water intakes, water gages, and water impoundments are the number of each of these entities found within the study area and park. The number of time series, annual, and seasonal plots are the number of these different types of graphics produced by station/parameter combinations within the study area and park using the plotting criteria described in the previous chapter. The hydrologic seasons, described below, are the seasons used for the seasonal water quality data analysis. The time series, annual, and seasonal criteria are the plot and tabular screening criteria described in the previous chapter.

Regional Location Map

The Regional Location Map provides a small scale, general representation of the park and study area location within the United States. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report.

Water Quality Monitoring Locations Map(s)

The Water Quality Monitoring Locations Map(s) usually provides a larger scale representation of the park and study area than the Regional Location Map. This map indicates the locations within the study area where water quality has been monitored and the data entered into STORET. The water quality monitoring stations are labelled sequentially with the rightmost significant digits. The station names were assigned in numerically ascending order by latitude (for parks with a greater north-south extent than east-west) or longitude (for parks with a greater east-

west extent than north-south). Thus, this map serves as a visual index to the water quality data contained in the report. Since the 1:100,000 scale hydrography (from the River Reach File Ver. 3.0 or other sources) is displayed on the map, users can refer to the map to locate the station number on the reach in which they are interested and then find the appropriate section in the report that documents the water quality at that station. If the scale allows, USGS catalog units are also displayed on the map to provide an approximation of drainage basins. More than one Water Quality Monitoring Location map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report. The digital, geo-referenced data files documented in Appendices A and B will allow the park to create water quality monitoring stations as a coverage in their GIS.

Dischargers, Drinking Intakes, Gages, and Impoundments Map(s)

The Dischargers, Drinking Intakes, Gages, and Impoundments Map(s) displays the same information as the Water Quality Monitoring Location Map(s) except the water quality stations are replaced by industrial/municipal facilities discharges, drinking water intakes, active and inactive gage locations, and water impoundments. This map also serves as a visual index allowing the user to determine the identification code of each discharger, drinking intake, gage, or impoundment. This number can then be used to obtain additional information about the entity on the following page of the report or to refer to the more detailed database files accompanying the report on disk. These more detailed database files are geo-referenced (See Appendices A and B), thus allowing the park to create these coverages in their GIS. More than one Dischargers, Drinking Intakes, Gages, and Impoundments map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are also included on the disk(s) accompanying this report.

Industrial Facilities Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Table

This table provides some additional information about each of the discharges, drinking intakes, water gages, and water impoundments displayed on the previous map(s). This information generally includes the site identification number; the station or facility name; an address or some other indication of location; and some other pertinent information. More detailed information about each of these entities is contained in the database files on disk accompanying the report (See Appendices A and B).

Representative Mean Annual Hydrograph for Seasonal Analysis

One component of the water quality data analysis contained in the document is a seasonal analysis of the data (where adequate data exist). In order to undertake this analysis, some representation of the park's seasons was required. Seasons can be based on many factors (eg. hydrologic, climatic, recreational use, etc.). Since project resources did not allow us to contact every park and discuss with resource management staff what appropriate seasons may be for the park, WRD staff elected to adopt primarily a hydrologic/climatic definition of the seasons which uses a process of hydrograph separation to glean seasons from stream discharge patterns. The procedure employed to make these determinations was as follows:

- (1) Find the nearest USGS Hydro-Climatic Data Network (HCDN) station (U.S. Geological Survey 1992) to the park that is most representative of streamflow conditions at the park. The HCDN is basically a subset of USGS streamflow stations, including only those stations that are unaffected by artificial diversions, storage, or other disruptions of the natural channel. All HCDN stations generally have at least a 20 year period of record. Consequently, discharge patterns at these stations should reflect only hydrologic and climatic influences. For the most part, selected HCDN sites were typically within 15-20 miles of the park. In some parks where WRD staff were aware of the existence of a stream gage located within the park that would be more representative of park waters even though it wasn't an HCDN site, this gage was selected.

- (2) Retrieve the daily discharge values for the selected station from the USGS Daily Values File and generate a mean annual hydrograph and a box-and-whiskers plot of daily flows by month.
- (3) Interpret the plots based on our knowledge of the hydrologic regime at these parks and assign seasons.

This approach, used for the majority of parks, assumes that most water quality data at the park will be found in streams and that the discharge pattern of the selected stream is representative of the seasons for all park waterbodies. Although this assumption may be weak for certain parks, project resources did not allow a more thorough investigation. For parks where there wasn't any stream gage (HCDN or otherwise) deemed representative of park waters, precipitation records from a nearby meteorological station were obtained from the National Climatic Data Center. Plotting daily average precipitation and box-and-whiskers of monthly precipitation sums allowed WRD hydrologists to make a rough approximation of climatic seasons for use in analyzing the water quality data.

Again, it is important to note the many ways of defining "seasons" and thus the limitations of the seasonal analysis contained in this document. For certain parks it may be more useful to perform a seasonal analysis with seasons defined by recreational use patterns or some other natural or anthropogenic factor. This option is available to the park since all the water quality data analyzed in this document is contained on disk(s) accompanying this report. Digital, reproducible copies of this seasonal analysis graphic are also included on the disk(s) accompanying this report.

Contacts for Agency Codes Retrieved

This table provides a list of the organizations who have entered data into STORET. A contact name at the organization and a phone number are also supplied. The agency code in the first column is the key for identifying which stations belong to that agency. This code will appear in the first line of each station's inventory. Although the agencies listed in this table are potential partners for future water quality monitoring or management endeavors, don't be surprised if the name of the contact and/or the telephone number is out of date. This information is entered when an agency first creates a station. The agency may not update this information when the initial contact moves on or the telephone number changes. Nonetheless, it is likely that the contact or someone else at the agency may be able to provide you with project reports or other information relative to the agency's data. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Quantity of Data Retrieved by Agency Code

This table displays the period-of-record; numbers of water quality stations, longer-term stations, and stations without data; total number of water quality observations; and the number of unique water quality parameters measured by each agency within the study area and park boundary. Using this table, a park can quickly determine which agencies collect the most data in and around the park and whether they have monitored recently. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station Period of Record Tabulation

The Station Period of Record Tabulation provides a quick overview of the names of all the stations within the study area where water quality has been monitored and data entered into STORET. It also furnishes the total number of observations taken at each station and the frequency of observations between certain dates: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75. The station identification number, the four character park abbreviation code followed by a four digit number, provides the means to jump from a particular station in the table to the statistical and graphical analyses for this station contained in the Station-By-Station Results section. The Station Period of Record Tabulation reveals which water

quality stations were situated within the park as defined by the park's GIS boundary. The Station Period of Record Tabulation also footnotes longer-term water quality stations. Longer-term stations are those that have at least 6 parameters with an average of one or more observations per year for those parameters during a period of record extending at least two years. Note that although a station may not be flagged as longer-term, it can still harbor much important data (albeit for only a few parameters or over a very long term with just a few observations). A digital copy of this table accompanies this report on disk (See Appendices A and B).

Parameter Period of Record Tabulation

The Parameter Period of Record Tabulation provides a complete listing of every water quality parameter ever measured in the study area and entered into STORET. This table is a summation of all the water quality observations for each parameter across all stations in the study area. Like the Station Period of Record Tabulation, the total number of observations for each parameter and the frequency of observations between: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75 are provided. This table is handy for quickly assessing whether particular parameters have been measured in the study area. The Parameter Period of Record Tabulation also shows how many in-park (and total) water quality stations contained data for each parameter. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station/Parameter Period of Record Tabulation

The Station/Parameter Period of Record Tabulation combines the information found in the Station Period of Record Tabulation and the Parameter Period of Record Tabulation. This table provides a listing of all the stations where a particular water quality parameter was measured in the study area and the data entered into STORET. The table provides the start and end dates of the period of record of each parameter at each station; the number of years of measurement (computed from the start and end dates); whether the station/parameter combination occurred within the park boundary; the total number of observations for each parameter at each station, and whether a time series (T), annual (A), and/or seasonal (S) plot was generated for the station/parameter combination in the Station-By-Station Results section. This table is very useful when you need to determine at which locations within the study area (or park) particular parameters were monitored and how much data was collected there. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Station/Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station-By-Station Results

Probably the most voluminous portion of the document is the Station-By-Station Results. Here the results of the water quality analyses for each station are presented in sequence. The results include the station inventory; parameter inventory; EPA water quality criteria analysis; and, as applicable, time series graphics and annual and seasonal tables and box-and-whiskers graphics. Each of these products are discussed below.

Station Inventory for Station

Each station's data commences with its Station Inventory. The Station Inventory provides the descriptive attributes about each water quality monitoring station contained in STORET. This includes a variety of locational information such as a verbal description, the Federal Information Processing codes for county and state, latitude and longitude, and other items; the station type (stream, spring, estuary, etc.); monitoring agency; creation date; indices to the River Reach File; whether the station lies within the park boundary; and several other attributes. This water quality station location data is also contained on disk(s) accompanying the report (See Appendices A and B).

Parameter Inventory for Station

Following the descriptive attributes about a station is the Parameter Inventory for the station. The Parameter Inventory provides a complete inventory and descriptive summary of all the water quality parameter data for the station. This table furnishes the parameter STORET code and name; the period of record for this parameter at this station; and the descriptive statistics defined in the Statistical Definitions in the previous chapter. Three different footnotes can appear on a parameter's descriptive statistics. Two asterisks (**) in the 10th, 25th, 75th, or 90th percentile columns indicates that there was insufficient data to compute these statistics for this parameter. Percentiles were not computed unless the parameter had at least 9 observations. Two number signs (##) next to the number of observations indicates that more than 50 percent of the observations entered into the computations as values that were taken to be half the detection limit. Caution should be employed in interpreting and using statistical results when more than half the values are set to half the detection limit. The letter "p" following a numeric STORET parameter code in the Parameter Inventory indicates that a time series plot was produced for this parameter at this station. Digital, reproducible copies of the Parameter Inventory tables are contained on the disk(s) accompanying this report.

Two downloaded parameter groups, pH and bacteriological, received special treatment whenever descriptive statistics were computed in the Parameter Inventory (as well as subsequent annual and seasonal tables). Whenever pH appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original pH entry; (2) pH computed from conversion to and from $\mu\text{eq/l H}^+$; and (3) $\mu\text{eq/l H}^+$. The reason for these conversions is that pH is actually the negative logarithm of the hydrogen ion concentration. To be technically correct in computing descriptive statistics, pH values must be converted to $\mu\text{eq/l H}^+$ (Kunkle and Wilson 1984). Once the descriptive statistics are computed using the pH values expressed as $\mu\text{eq/l H}^+$, the results can be converted back to pH. The three pH entries in the descriptive statistics table will all have the same STORET code.

Whenever a bacteriological parameter appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original bacteriological entry; (2) an entry computed using the log of each measured value; and (3) an entry that simply reports the geometric mean. The reason for converting to logs and displaying the geometric mean is convention. Bacteriological water quality standards typically reference the geometric mean rather than the arithmetic. The three bacteriological entries in the descriptive statistics tables will all have the same STORET code.

EPA Water Quality Criteria Analysis for Station

The EPA Water Quality Criteria Analysis table follows the Parameter Inventory. This table presents a comparison between the station's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. In most cases, the EPA water quality criteria values are single sample concentrations that can be directly compared to single sample STORET entries. There are, however, two notable exceptions to this single sample/single value comparison: ammonia and fecal-indicator bacteria. For these two parameters, criteria are either derived from or depend on the results of other chemical characteristics of the water or require a time series statistical treatment of multiple samples to determine whether the criterion has been exceeded. The EPA ammonia criterion is pH and temperature dependent. To calculate the criterion for each ammonia sample value was beyond

the scope of this project. Consequently, ammonia criteria were not included in Appendix F or the EPA Water Quality Criteria Analyses. Un-ionized ammonia criteria can be determined from formula table values included in the EPA Silver Book (Environmental Protection Agency 1995).

For the purposes of this project, fecal-indicator bacteria data were flagged as exceeding criteria when their concentrations exceeded 200, 1000, 126, and 33 (fresh)/35 (salt) colony forming units or most probable number for single samples of fecal coliform, total coliform, E. coli, and enterococci, respectively. These values represent only approximations of the criteria for primary contact recreation waters where criteria are typically expressed in terms of a geometric mean computed with no less than 5 samples during a given month. When a fecal-indicator bacterial observation exceeds a criterion in the EPA Water Quality Criteria Analysis section, the reader should refer to the corresponding geometric mean calculations in the preceding Parameter Inventory. Long-term geometric means that exceed the respective water quality criteria for multiple samples are more indicative of chronic bacteriological problems than single sample values.

Water quality observations carrying non-detection or below-detection limit remark codes (K, T, and U) required special treatment in the EPA Water Quality Criteria Analysis. As with the statistics in the Parameter Inventory, half the detection limit was the value used in the EPA Water Quality Criteria Analysis. For certain observations, however, half the detection limit may exceed a water quality criterion. For those observations it would be inappropriate to classify them as exceeding a criterion since the actual value wasn't known. Thus, it was decided that any below detection limit or non-detect observations that exceed a water quality criterion using half the detection value would be excluded from the EPA Water Quality Criteria Analysis. If non-detect or below detection limit values are excluded from the EPA Water Quality Criteria Analysis for a particular parameter, the total observations for that parameter will be footnoted with an ampersand (&). This will also explain the difference between the total observations in the Parameter Inventory and the EPA Water Quality Criteria Analysis. Non-detect or below detection limit values are included in the EPA Water Quality Criteria Analysis, however, if half the detection limit doesn't exceed the parameter's criterion.

The EPA Water Quality Criteria Analysis for each station lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis table is a good starting point for assessing potential water quality problems at the station, the reader is strongly encouraged to read the caveat section in the Introduction concerning drawing conclusions about water quality problems from this table. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Time Series Plots for Station

Following the EPA Water Quality Criteria analysis will be any Time Series Plots for each parameter that met the time series plot screening criterion selected for the park unit. If a time series plot is generated for a particular parameter at a station, a "p" will appear next to the STORET parameter code in the Parameter Inventory. If no time series plots are present for the particular station, the data did not meet the time series screening criterion listed in the Overview section of the Water Quality Results chapter. The x-axis on these plots is the period of record, listing only the 2-digit calendar year for clarity (i.e. 1983 is presented as 83). The y-axis is the concentration of the selected parameter in its measurement units. In general, the units for a given parameter are given either on the y-axis or in the parameter description in the subtitle of the graph. Subtitle and/or y-axis parameter descriptions may be truncated on the plots so as to not exceed the maximum number of plotting characters. Y-axis values less than zero are sometimes shown for better representation of the entire plot. The station identification code, parameter description, and parameter STORET code are presented in the main title. The footnote provides a descriptive location name. Observations on the plot are represented as squares. Lines are drawn connecting each successive observation. As mentioned previously in the Statistical Definitions section of the Methodology chapter, the interconnecting line is drawn only for ease of reading and provides no indication of what the actual parameter

values were between the two observed measurements. Digital, reproducible copies of all time series plots accompany the report on disk (See Appendices A and B).

For time series plots of pH, the original pH values are plotted. For time series plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a time series plot for bacteriological parameters is log-linear.

Annual Analysis for Station

If more than 9 observations exist in each of at least 4 years for a particular parameter at a station, an Annual Analysis table will be generated. Entries will be made in the table for each parameter having more than 9 observations in each of at least 4 years. The Annual Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by year, rather than the entire period of record. Although some of the years may not contain 9 observations, these years still have an entry in the table. A parameter needs only to have 9 observations in any 4 years of its period of record to qualify for the Annual Analysis table. Like the Parameter Inventory, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Annual Analysis table that also meet the annual analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Annual Box-and-Whiskers Plots for Station

Entries in the Annual Analysis table that meet the annual box-and-whisker plot screening criterion will generate Annual Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each year of the period of record, even if less than 9 observations were recorded in the year. The axis labeling and plot titling is the same as for the time series plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For annual box-and-whiskers plots of pH, $\mu\text{eq/l H}^+$ are plotted. For annual box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of an annual box-and-whiskers plot for bacteriological parameters is log-linear.

Seasonal Analysis for Station

As explained above, a park's hydrologic seasons for seasonal water quality analysis were determined using a process of hydrograph separation and other techniques. If a parameter has more than 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years, a Seasonal Analysis table will be generated for the station. The Seasonal Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by season, rather than the entire period of record. Although certain parameters for a season at a station may not contain 9 observations, these parameters can still have an entry in the table. A parameter needs only to have 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years to qualify for the Seasonal Analysis table. Consequently, some of the parameters could have fewer than 9 observations in a particular season but still generate a table entry. Like the Parameter Inventory and Annual Analysis, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Seasonal Analysis table that also meet the seasonal analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Seasonal Box-and-Whiskers Plots for Station

Entries in the Seasonal Analysis table that meet the seasonal box-and-whisker plot screening criterion will generate Seasonal Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each season of the period of record, even if less than 9 observations were recorded in the season. On the x-axis, the seasons are labeled 1 through the number of seasons defined for the park through hydrograph separation. The actual calendar dates that correspond to these numerically labeled seasons exist in the Overview section and the Seasonal Analysis tables in the Water Quality Results chapter. The axis labeling and plot titling are the same as for the time series and annual box-and-whiskers plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For seasonal box-and-whiskers plots of pH, $\mu\text{eq/l H}^+$ are plotted. For seasonal box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a seasonal box-and-whiskers plot for bacteriological parameters is log-linear.

EPA Water Quality Criteria Analysis for Entire Park Study Area

This table essentially summarizes all the individual station-by-station EPA water quality criteria analyses in the study area. (Refer to the EPA Water Quality Criteria Analysis for Station section above for more detailed information on the treatment of special cases in the EPA Water Quality Criteria Analysis for Entire Park Study Area.) This table presents a comparison between the study area's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. The EPA Water Quality Criteria Analysis for the Entire Park Study Area lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis for the Entire Park Study Area is a good starting point for assessing potential water quality problems at the park, the reader is strongly encouraged to read the caveat section in the Introduction before drawing conclusions about water quality problems from this table. A digital, reproducible copy of this table accompanies the report on disk (See Appendices A and B).

NPS Servicewide Inventory and Monitoring Program

Level I Water Quality Inventory Data Evaluation and Analysis (IDEA)

One of the objectives of this Baseline Water Quality Data Inventory and Analysis project is to perform an IDEA - an Inventory Data Evaluation and Analysis - to determine the presence and/or absence of Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in the park's study area. The Strategic Plan for Conducting Baseline Natural Resource Inventories in the National Park Service (National Park Service 1993) identified the basic water quality parameters displayed in Table I as the parameters that all parks must have for "key" waterbodies (determined on the basis of size, uniqueness, threats, etc.) within park boundaries. Since these parameters can be measured in different ways and with different units, there are multiple STORET codes associated with each parameter; hence the concept of parameter groups. The Strategic Plan distinguishes between those parameter groups required for all parks and parameter groups required only on a case-by-case basis.

The IDEA basically compares the parameters listed in the Parameter Period of Record Tabulation and Station/Parameter Period of Record Tabulation with the "Level I" Servicewide Inventory and Monitoring water quality parameter groups, listed in Table I and in Appendix G, and notes, not only the presence or absence of each parameter group, but the total number of observations for each parameter present in the group; the number of

observations between certain time periods; and the total number of stations within the study area at which the parameter was measured. The total number of different (unique) stations measuring parameters for the group is in parentheses on each parameter group's summary line.

The first page of the IDEA lists the missing Servicewide Inventory and Monitoring Program "Level I" groups. If a parameter group appears on this list, no data for any of the parameters defining the group (See Appendix G) was retrieved for it within the study area. So-called non-priority parameter groups may appear in the missing list. Non-priority parameters are park-specific parameters (case-by-case) which may not be applicable to your park. Consequently, if you believe a particular parameter, not included in IDEA (See Appendix G), to be important for your park, you will have to consult the Parameter and Station/Parameter Period of Record Tabulations to determine the presence or absence of this parameter for the park. Although considered a "Level I" parameter, biological data, obtained through rapid bioassessment or other means, is not considered in this report which deals specifically with surface water chemistry. Following the Missing Level I Group list is the Present Level I Group list which displays the summary results for each Servicewide Inventory and Monitoring "Level I" water quality parameter group that was found.

Table I. Basic "Level I" Water Quality Parameters Identified as Required and Optional By the Servicewide Inventory and Monitoring Program for "Key" Park Waterbodies

<p><u>Required Parameter Groups:</u></p> <p>(1) Alkalinity</p> <p>(2) pH</p> <p>(3) Conductivity</p> <p>(4) Dissolved Oxygen</p> <p>(5) Rapid Bioassessment Baseline (EPA/State protocols, involving fish and macroinvertebrates)</p> <p>(6) Temperature</p> <p>(7) Flow</p> <p><u>Case-By-Case Parameters Groups:</u></p> <p>(8) Toxic Elements</p> <p>(9) Clarity/Turbidity</p> <p>(10) Nitrate/Nitrogen</p> <p>(11) Phosphate/Phosphorus</p> <p>(12) Chlorophyll</p> <p>(13) Sulfates</p> <p>(14) Bacteria</p>

The last page of the IDEA summarizes the information from the Missing and Present Level I Group lists. This page provides information on the temporal and spatial distributions of the data. Included in this table are the total number of observations for each parameter group; the number of observations since January 1, 1985; the percent of the total observations since January 1, 1985; the number of stations measuring each parameter group; the percent of the total number of stations with data measuring the parameter group; the number of observations per station with data; the period-of-record for this parameter group; and the average number of observations per year of the period-of-record.

In interpreting the results of the IDEA, the reader should first consult the Missing Level I Group list. For the parameter groups listed, there was no baseline water quality data within the study area entered in STORET. Consequently, these parameter groups could be a higher priority for data collection. It is important, however, to realize that data within these parameter groups may have been already collected but not entered into STORET. The resources for this project did not enable us to pursue thorough literature and file cabinet reviews to dredge up

every last iota of data. If data exists for certain Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in a park's file cabinet, it is the park's responsibility to factor that data into their IDEA. Consequently, the listing of a parameter group on the Missing "Level I" Group list is not a WRD endorsement to launch a study to collect these data. The IDEA is intended to simply note that no data exist for these parameter groups in STORET for the park. It is the park's responsibility to ascertain whether such data has already been collected by the park or other entities before embarking on a new study. In fact, in the future the WRD will require that any park study plan proposing to collect baseline water quality data show that they have consulted their Baseline Water Quality Data Inventory and Analysis report and searched in other locations (file cabinets, published literature, etc.) for the data they propose to collect. A similar interpretation springs from the Present "Level I" Group list. Insufficient data density in certain time periods for particular parameter groups is not necessarily cause for launching a new inventory and/or monitoring program. The park should still consult with other potential sources of data. Again, the IDEA is designed to provide only a quick check on data in STORET for the Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups.

Water Quality Observations Outside STORET Edit Criteria for Park

STORET data entered after November 1983 were subjected to rudimentary edit/bounds checking for 190 common parameters (See the STORET Edit Criteria in Appendix C). None of the data entered into STORET prior to that time has been subjected to edit/bounds checking. Moreover, to maintain exact comparability with USGS WATSTORE data, WATSTORE data entered into STORET has never been subjected to the EPA edit/bounds checking. During the pilot test phase of this project, obviously incorrect data was identified from both USGS and other agency data in STORET. As a consequence, all data downloaded from STORET was filtered through the STORET edit criteria to identify parameter observation values that fall outside any edit criterion ranges. This section documents the station name, parameter, date, time, parameter value, agency, and STORET station name of every observation that fell outside the range of an edit criterion. Not all data falling outside an edit criterion are necessarily incorrect. Such data may represent unique or special conditions. Consequently, every observation falling outside a STORET edit criterion was scrutinized to determine, in our best professional judgement, whether the value was in the realm of possibility or obviously incorrect. Water quality observations that appeared to be obviously incorrect are marked with an "X" in the Disposition column of this table. These values were not retrieved or included in any of the inventory tables or graphs. Water quality values outside a STORET edit criterion but within the realm of possibility were retained and included in inventory tables and graphs. The Water Quality Observations Outside STORET Edit Criteria for Park table documents all values that were outside an edit criterion range. This documentation is also necessitated by the fact that agencies can override the STORET edit criteria for individual observations. Although the edit criteria eliminate some potentially "bad" data from the report, the probability of other incorrect data, for both the 190 parameters that are edit/bound checked and all the other STORET parameters that aren't error checked, is high. Readers should consult the Caveat section in the Introduction for guidelines on the use and interpretation of STORET data. The responsibility for correcting these observations rests with the collecting agency.

WATER QUALITY RESULTS

OVERVIEW FOR PRWI¹

Study Area Boundary Description

The study area includes the park and all areas within at least 3 miles upstream of the park unit boundary and at least 1 mile downstream.

	<u>Study Area</u>	<u>Park</u>
GIS Estimated Acreage:	46720	10880
# STORET Stations:	43	26
# Stations With No Data:	5	1
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	3	0
Date of STORET Retrieval:	08/18/93	08/18/93
Period of Record:	08/01/51-07/13/93	03/28/73-06/26/85
# Parameters Measured:	179	58
# Water Quality Observations:	12556	2140
# Industrial/Municipal Facilities:	3	0
# Drinking Water Intakes:	6	0
# Water Gages:	1	0
# Water Impoundments:	7	4
# Total Plots:	94	0
# Time Series:	19	0
# Annual:	48	0
# Seasonal:	27	0

Hydrologic Definition of Seasons:

1. October 1 - March 15
2. March 16 - June 30
3. July 1 - September 30

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 2 years and at least 8 observations.

Annual Analysis Criteria:

To be included in the annual box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of at least 4 years.

To be included in the annual analysis tables, a station/parameter combination must have at least 9 observations in each of at least 4 years.

Seasonal Analysis Criteria:

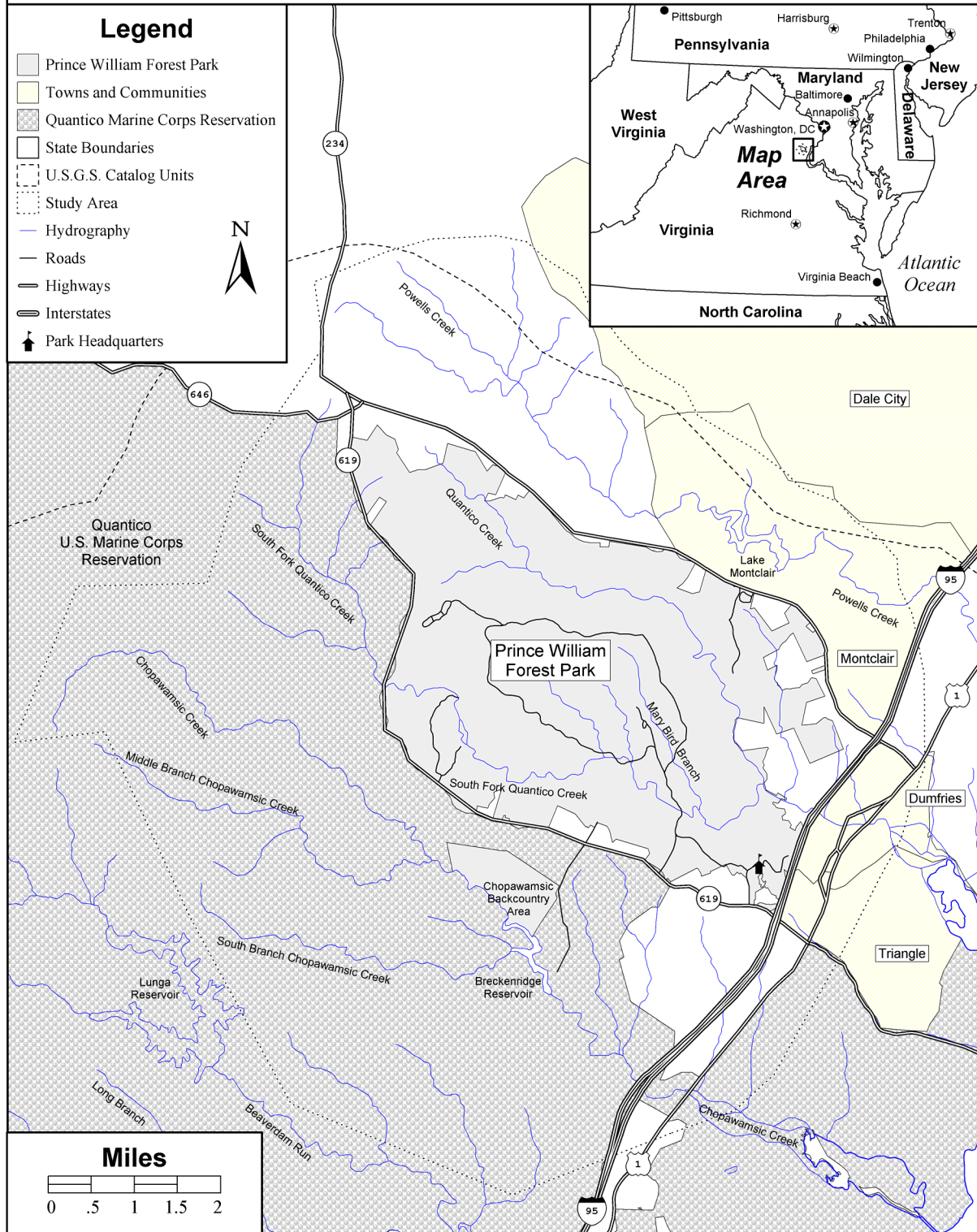
To be included in the seasonal box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years.

To be included in the seasonal analysis tables, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years.

¹To prepare a Microsoft Word version of this report, data were reprocessed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

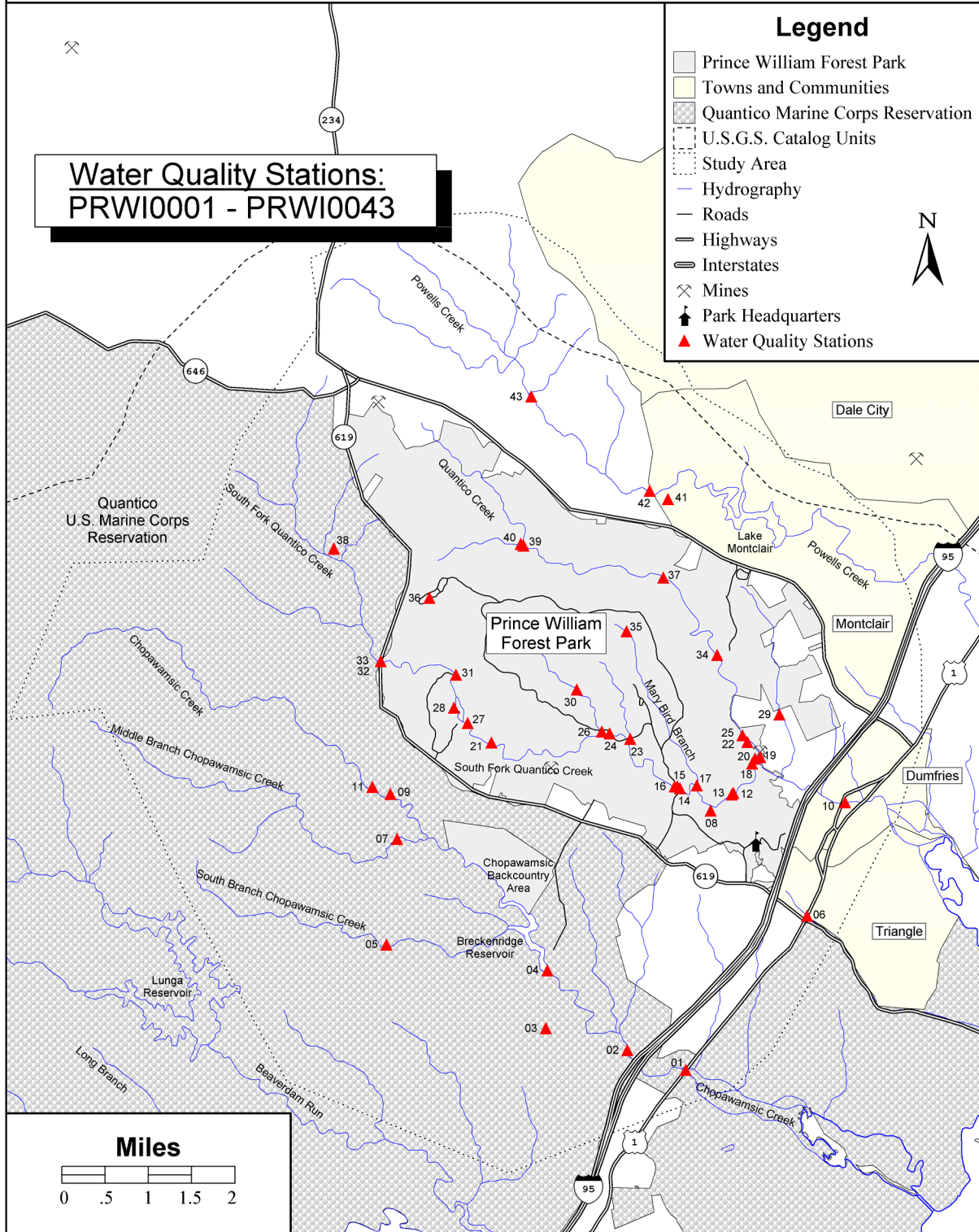
Prince William Forest Park

Regional Location Map



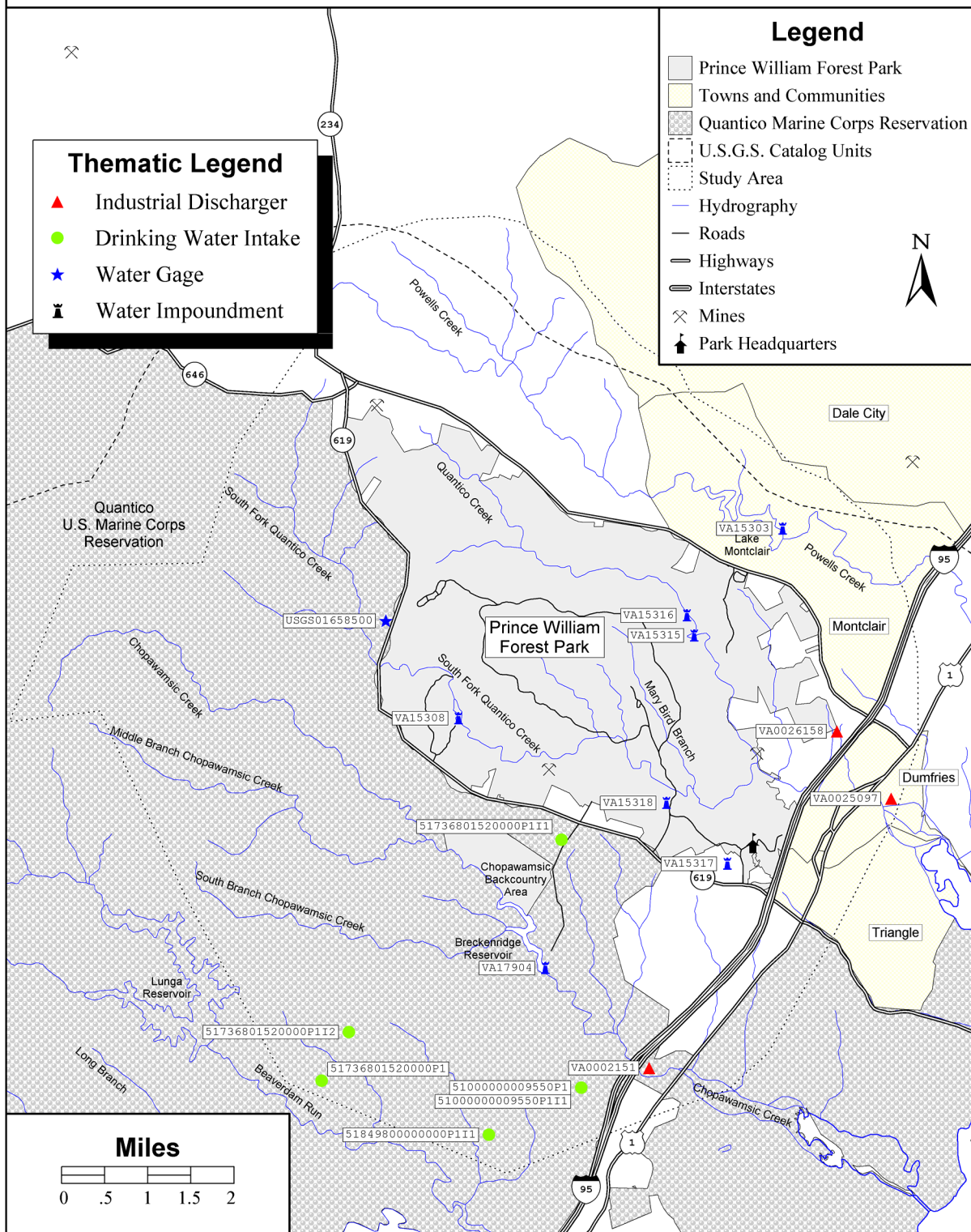
Prince William Forest Park

Water Quality Monitoring Locations



Prince William Forest Park

Dischargers, Drinking Intakes, Water Gages & Water Impoundments



Industrial Facility Discharges, Drinking Water Intakes, and Stream Gages Within the PRWI Study Area

Industrial Facility Discharges

<u>Site ID</u>	<u>Station/Facility Name</u>	<u>Address</u>	<u>City</u>	<u>Facility Receiving Water Name</u>
VA0002151	U. S.M. C. DEVELOPMENT & EDUCATI	BLDG 3035	QUANTICO	POTOMAC RIVER
VA0025097	DUMFRIES-TRIANGLE SAN DIST-STP	DUMFRIES INDUSTRIAL RD	WOODBIDGE	QUANTICO C
VA0026158	DUMFRIES-TRIANGLE SANITARY DIS	DUMFRIES	QUANTICO C

Drinking Water Intakes

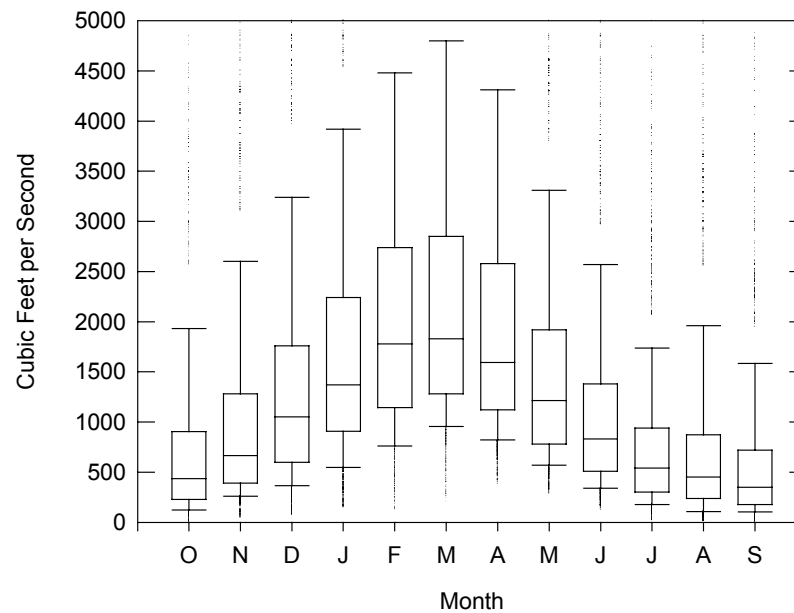
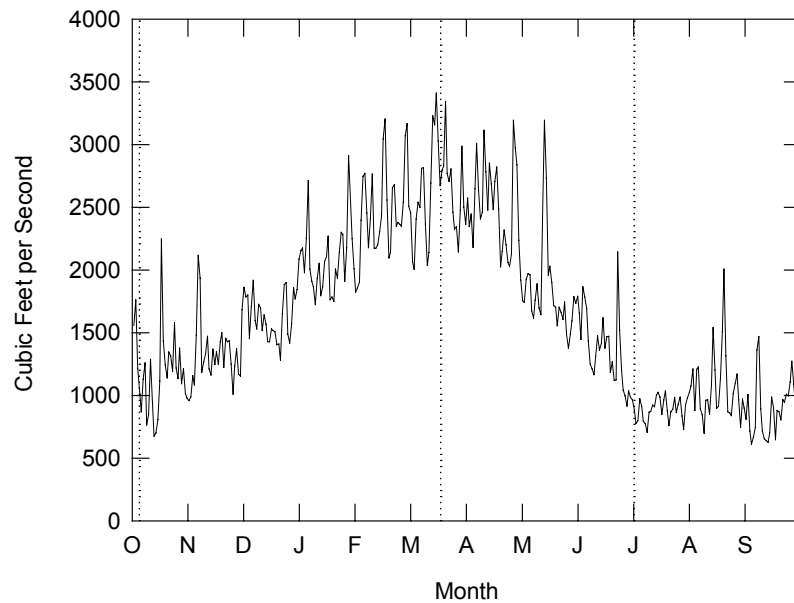
<u>Site ID</u>	<u>Station/Facility Name</u>	<u>City</u>	<u>Population Served</u>	<u>Avg. Daily Production (Gal./Day)</u>
51000000009550P1	TREATMENT PLANT	QUANTICO	800	6000.00
51000000009550P1I1	MAINSIDE WTP	QUANTICO	800	6000.00
51736801520000P1	UTIL.ENG.BLDG3252	QUANTICO	16500	-
51736801520000P1I1	BRECKENRIDGE RES	QUANTICO	16500	-
51736801520000P1I2	BEAVERDAM RUN	QUANTICO	16500	-
51849800000000P1I1	SMITH LAKE	STAFFORD	20214	-

USGS Stream Gages

<u>Site ID</u>	<u>Station Name</u>	<u>Catalog Unit</u>	<u>Drainage Area (Square Miles)</u>	<u>USGS Mean Annual Flow (Cubic Feet/Second)</u>
USGS01658500	S F QUANTICO CREEK	02070011	7.64	7.06

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

PRINCE WILLIAM FOREST PARK
Rappahannock River at Fredericksburg, VA
01668000, 78 year record



Representative mean annual hydrograph (top) and distribution of daily flows by month (bottom) for hydrologic season determination. Box and whiskers represent a five number summary; bottom whisker cap is 10th percentile, bottom of box is 25th percentile, internal line is median, top of box is 75th percentile, and top whisker is 90th percentile. Hydrologic seasons for Prince William Forest Park are: Oct. 1 to Mar. 15, Mar. 16 to Jun. 30, and Jul. 1 to Sep. 30.

CONTACTS FOR AGENCY CODES RETRIEVED FOR PRWI

<u>AGENCY</u>	<u>PRIMARY CONTACT NAME</u>	<u>ORGANIZATION</u>	<u>PHONE NUMBER(S)</u>
21VASWCB	POLLOCK, VERA	VA DEPT OF ENVIRONMENTAL	(804)527-5224
112WRD	YORKE, TOM	US GEOLOGICAL SURVEY	(703)648-5687
31GMU	JONES, CHRIS	GEORGE MASON UNI (VA)	(703)323-2518

**QUANTITY OF DATA RETRIEVED FOR PRWI BY AGENCY CODE
WITHIN THE ENTIRE STUDY AREA (S.A.) AND JUST WITHIN THE PARK**

Agency	Organization	Period of Record		Water Quality Stations		Longer Term ¹ Stations		No Data Stations		Water Quality Observations		Water Quality Parameters	
		Study Area	Park Only	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park
21VASWCB	VA DEPT OF ENVIRONMENTAL	01/24/72-07/13/93	No Data in Park	12	0	3	0	2	0	10015	0	137	0
112WRD	US GEOLOGICAL SURVEY	08/01/51-08/27/85	03/28/73-06/26/85	28	25	0	0	0	0	2541	2140	62	58
31GMU	GEORGE MASON UNI (VA)	No Data in S.A.	No Data in Park	3	1	0	0	3	1	0	0	0	0
Totals		08/01/51-07/13/93	03/28/73-06/26/85	43	26	3	0	5	1	12556	2140	179	58

¹Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Station Period of Record Tabulation From 08/01/51 To 07/13/93

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 07/13/93	01/01/75 to 12/31/84	Before 01/01/75
PRWI0001 ¹	RT. 1 BRIDGE(PRINCE WILLIAM-STAFFORD CO. LINE)	No	4419	2452	1928	39
PRWI0002	RUSSELL ROAD (STAFFORD CO)	No	59	0	59	0
PRWI0003	CAMP MAINSIDE GREY RESERVOIR	No	0	0	0	0
PRWI0004	CAMP MAINSIDE BRECKENRIDGE RESERVOIR	No	0	0	0	0
PRWI0005	SOUTH BRANCH CHOPAWAMSIC CREEK	No	41	0	41	0
PRWI0006	ROUTE 1 (PRINCE WILLIAM CO)	No	36	36	0	0
PRWI0007	ROUTE 619 (STAFFORD CO)	No	41	0	41	0
PRWI0008	S F QUANTICO CREEK TRIB NO 5 NEAR DUMFRIES, VA	Yes	180	56	124	0
PRWI0009	ROUTE 619 (STAFFORD CO)	No	59	0	59	0
PRWI0010 ¹	RT. 1 (BUSINESS) BRIDGE	No	4917	2466	1931	520
PRWI0011	N BRANCH CHOPAWAMSIC CR NR INDEPENDENT HILL, VA	No	17	0	0	17
PRWI0012	S F QUANTICO CREEK AT OREANDA RD NR DUMFRIES, VA	Yes	10	10	0	0
PRWI0013	S F QUANTICO CR TRIB 6 AT MOUTH NR DUMFRIES, VA	Yes	6	6	0	0
PRWI0014	S F QUANTICO CR TRIB NO 3 AT MOUTH NR JOPLIN, VA	Yes	21	11	10	0
PRWI0015	S F QUANTICO CREEK AT PARK RD NEAR JOPLIN, VA	Yes	208	58	150	0
PRWI0016	S F QUANTICO CR TRIB NO 4 AT MOUTH NR JOPLIN, VA	Yes	34	24	10	0
PRWI0017	MARY BIRD BRANCH AT MOUTH NEAR DUMFRIES, VA	Yes	18	18	0	0
PRWI0018	S F QUANTICO CREEK NEAR DUMFRIES, VA	Yes	286	60	169	57
PRWI0019	S F QUANTICO CREEK TRIB NO 7 NEAR DUMFRIES, VA	Yes	5	0	5	0
PRWI0020	QUANTICO CREEK NEAR DUMFRIES, VA	Yes	300	51	157	92
PRWI0021	QUANTICO CREEK SOUTH FORK AT LOOP ROAD	Yes	0	0	0	0
PRWI0022	PRINCE WILLIAM FOREST PARK PYRITE MINE	Yes	20	0	20	0
PRWI0023	S F QUANTICO CR TRIB NO 2 AT MOUTH NR JOPLIN, VA	Yes	23	23	0	0
PRWI0024	S F QUANTICO CREEK BELOW TRIB 1 NEAR JOPLIN, VA	Yes	198	54	144	0
PRWI0025	QUANTICO CREEK AB PYRITE MINE NR DUMFRIES, VA	Yes	82	0	75	7
PRWI0026	S F QUANTICO CREEK TRIB 1 AT MOUTH NR JOPLIN, VA	Yes	29	24	5	0
PRWI0027	S F QUANTICO CREEK AT CAMP 5 NEAR JOPLIN, VA	Yes	195	60	135	0
PRWI0028	S F QUANTICO CR TRIB NO 8 AT MOUTH NR JOPLIN, VA	Yes	36	0	36	0
PRWI0029	QUANTICO CR TRIB 1 AT PRIV RD NR DUMFRIES, VA	No	15	15	0	0
PRWI0030	S F QUANTICO CR TRIB 1 AT TRAIL 10 NR JOPLIN, VA	Yes	58	0	58	0
PRWI0031	S F QUANTICO CREEK AT MAWAVI RD NEAR JOPLIN, VA	Yes	170	54	116	0
PRWI0032	S F QUANTICO CREEK NEAR INDEPENDENT HILL, VA	No	369	42	145	182
PRWI0033 ¹	RT. 619 BRIDGE	No	342	0	329	13
PRWI0034	QUANTICO CREEK BELOW CAMP 4 NEAR DUMFRIES, VA	Yes	59	0	59	0
PRWI0035	MARY BIRD BRANCH AT TAYLOR FARM RD NR JOPLIN, VA	Yes	41	0	41	0
PRWI0036	S F QUANTICO CR TRIB 7 NR INDEPENDENT HILL, VA	Yes	10	0	10	0
PRWI0037	QUANTICO CR AT BURMA RD NR INDEPENDENT HILL, VA	Yes	141	0	84	57
PRWI0038	QUANTICO CREEK SOUTH FORK AT MALAWI FIRE RD	No	0	0	0	0
PRWI0039	QUANTICO CR AT TRAIL NR INDEPENDENT HILL, VA	Yes	5	0	5	0
PRWI0040	QUANTICO CR TRIB NO 3 NR INDEPENDENT HILL, VA	Yes	5	0	5	0
PRWI0041	QUANTICO CREEK NORTH FORK AT BURMA FIRE ROAD	No	0	0	0	0
PRWI0042	RT. 643 (PRINCE WILLIAM COUNTY)	No	46	30	16	0
PRWI0043	RT. 640 (PRINCE WILLIAM COUNTY)	No	55	38	17	0

¹Longer Term Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Parameter Period of Record Tabulation From 08/01/51 To 07/13/93

Parameter Code	Name	Total Obs	01/01/85 to 07/13/93	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	407	170	196	41	3	0
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	128	0	87	41	3	0
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	785	272	460	53	33	25
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	4	0	4	0	4	3
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	393	100	290	3	27	25
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	393	100	290	3	27	25
00041	WEATHER (WMO CODE 4501)	442	180	223	39	4	0
00060	FLOW, STREAM, MEAN DAILY CFS	7	0	0	7	2	0
00061	FLOW, STREAM, INSTANTANEOUS CFS	353	95	258	0	26	24
00062	ELEVATION, RESERVOIR SURFACE WATER IN FEET	1	0	1	0	1	0
00065	STAGE, STREAM (FEET)	2	0	2	0	2	2
00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	5	3	2	0	2	0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	123	103	20	0	5	0
00078	TRANSPARENCY, SECCHI DISC (METERS)	4	1	3	0	2	0
00080	COLOR (PLATINUM-COBALT UNITS)	63	47	0	16	7	3
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	1	0	1	0	1	1
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	237	134	103	0	5	0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	408	165	225	18	28	24
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	40	40	0	0	2	0
00300	OXYGEN, DISSOLVED MG/L	399	129	230	40	10	0
00310	BOD, 5 DAY, 20 DEG C MG/L	288	168	119	1	10	0
00335	COD, .025N K2CR2O7 MG/L	2	0	0	2	2	2
00340	COD, .25N K2CR2O7 MG/L	281	167	114	0	9	0
00400	PH (STANDARD UNITS)	435	145	233	57	17	5
00403	PH, LAB, STANDARD UNITS SU	184	144	39	1	14	4
00405	CARBON DIOXIDE (MG/L AS CO2)	10	0	0	10	5	3
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	190	144	34	12	13	3
00440	BICARBONATE ION (MG/L AS HCO3)	16	0	0	16	5	3
00445	CARBONATE ION (MG/L AS CO3)	10	0	0	10	4	3
00500	RESIDUE, TOTAL (MG/L)	117	94	23	0	9	0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	117	94	23	0	9	0
00510	RESIDUE, TOTAL FIXED (MG/L)	116	93	23	0	9	0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	284	167	117	0	9	0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	283	167	116	0	9	0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	283	166	117	0	9	0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	436	172	227	37	10	0
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	1	0	0	1	1	1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	440	173	229	38	10	0
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	9	0	0	9	4	3
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	373	173	162	38	10	0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	439	173	228	38	10	0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	66	0	66	0	3	0
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	6	0	5	1	5	4
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	1	0	1	0	1	0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	2	0	0	2	1	0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	1	0	0	1	1	1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	290	173	117	0	9	0
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	258	141	116	1	10	1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	272	154	117	1	10	1
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	147	131	0	16	10	3
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	16	0	0	16	5	3
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	21	0	5	16	7	5
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	21	0	5	16	7	5
00929	SODIUM, TOTAL (MG/L AS Na)	3	0	3	0	2	0
00930	SODIUM, DISSOLVED (MG/L AS Na)	21	0	5	16	7	5
00931	SODIUM ADSORPTION RATIO	11	0	0	11	4	3
00932	SODIUM, PERCENT	11	0	0	11	4	3
00935	POTASSIUM, DISSOLVED (MG/L AS K)	19	0	5	14	6	5
00940	CHLORIDE, TOTAL IN WATER MG/L	143	94	33	16	14	5
00945	SULFATE, TOTAL (MG/L AS SO4)	119	94	9	16	14	5
00950	FLUORIDE, DISSOLVED (MG/L AS F)	16	0	0	16	5	3
00951	FLUORIDE, TOTAL (MG/L AS F)	86	86	0	0	3	0
00955	SILICA, DISSOLVED (MG/L AS SiO2)	108	79	13	16	9	5
01002	ARSENIC, TOTAL (UG/L AS AS)	54	17	34	3	10	3
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	15	7	8	0	3	0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	10	8	2	0	2	0
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	6	4	2	0	2	0
01027	CADMIUM, TOTAL (UG/L AS CD)	53	17	32	4	6	0
01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	15	7	8	0	3	0
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	15	7	8	0	3	0
01034	CHROMIUM, TOTAL (UG/L AS CR)	57	16	32	9	6	0

**Parameter Period of Record Tabulation
From 08/01/51 To 07/13/93**

Parameter Code	Name	Total Obs	01/01/85 to 07/13/93	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
01042	COPPER, TOTAL (UG/L AS CU)	63	17	37	9	11	4
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	15	7	8	0	3	0
01044	IRON, SUSPENDED (UG/L AS FE)	4	0	4	0	4	3
01045	IRON, TOTAL (UG/L AS FE)	26	13	13	0	11	4
01046	IRON, DISSOLVED (UG/L AS FE)	15	0	4	11	5	4
01051	LEAD, TOTAL (UG/L AS PB)	62	17	37	8	11	4
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	15	7	8	0	3	0
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	2	2	0	0	2	0
01054	MANGANESE, SUSPENDED (UG/L AS MN)	4	0	4	0	4	3
01055	MANGANESE, TOTAL (UG/L AS MN)	22	10	12	0	7	3
01056	MANGANESE, DISSOLVED (UG/L AS MN)	4	0	4	0	4	3
01059	THALLIUM, TOTAL (UG/L AS TL)	10	8	2	0	2	0
01065	NICKEL, DISSOLVED (UG/L AS NI)	24	0	20	4	3	0
01067	NICKEL, TOTAL (UG/L AS NI)	27	15	12	0	5	0
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	15	7	8	0	3	0
01077	SILVER, TOTAL (UG/L AS AG)	4	4	0	0	2	0
01092	ZINC, TOTAL (UG/L AS ZN)	61	15	37	9	11	4
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	15	7	8	0	3	0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	4	0	4	0	4	3
01147	SELENIUM, TOTAL (UG/L AS SE)	12	10	2	0	2	0
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	8	6	2	0	2	0
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	2	2	0	0	2	0
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	249	153	96	0	2	0
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	21	1	20	0	2	0
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	40	20	20	0	2	0
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	330	92	200	38	5	0
32230	CHLOROPHYLL A (MG/L)	2	0	0	2	2	2
32231	CHLOROPHYLL B (MG/L)	2	0	0	2	2	2
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1	0	0	1	1	0
32240	TANNIN AND LIGNIN (MG/L)	13	13	0	0	2	0
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	4	4	0	0	2	0
34351	ENDOSULFAN SULFATE TOTWUG/L	4	4	0	0	2	0
34356	ENDOSULFAN, BETA TOTWUG/L	4	4	0	0	2	0
34361	ENDOSULFAN, ALPHA TOTWUG/L	4	4	0	0	2	0
34366	ENDRIN ALDEHYDE TOTWUG/L	4	4	0	0	2	0
34480	THALLIUM DRY WGTBOTMG/KG	8	6	2	0	2	0
34671	PCB - 1016 TOTWUG/L	4	4	0	0	2	0
38442	DICAMBA (BANVEL) WATER,DISSUG/L	4	4	0	0	2	0
38451	DICHLORPROP WATER,SUSPUG/L	4	4	0	0	2	0
38745	2,4-DB WATER, TOTUG/L	4	4	0	0	2	0
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	12	4	8	0	2	0
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	5	5	0	0	2	0
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	8	0	8	0	2	0
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	8	0	8	0	2	0
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	8	0	8	0	2	0
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	8	0	8	0	2	0
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	12	4	8	0	2	0
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	8	0	8	0	2	0
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	12	4	8	0	2	0
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	8	0	8	0	2	0
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	12	4	8	0	2	0
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	8	0	8	0	2	0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	17	4	12	1	2	0
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	9	1	8	0	2	0
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	4	4	0	0	2	0
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	4	4	0	0	2	0
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	4	4	0	0	2	0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	8	0	8	0	2	0
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	5	5	0	0	2	0
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	5	5	0	0	2	0
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	5	5	0	0	2	0
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	5	5	0	0	2	0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	13	4	8	1	2	0
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	5	5	0	0	2	0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12	4	8	0	2	0
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	5	5	0	0	2	0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2	0
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	5	5	0	0	2	0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2	0
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	5	5	0	0	2	0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2	0

**Parameter Period of Record Tabulation
From 08/01/51 To 07/13/93**

Parameter Code	Name	Total Obs	01/01/85 to 07/13/93	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	8	0	8	0	2	0
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	4	4	0	0	2	0
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	4	4	0	0	2	0
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	4	4	0	0	2	0
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	4	4	0	0	2	0
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	4	4	0	0	2	0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	8	0	8	0	2	0
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	5	5	0	0	2	0
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	2	0
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	8	0	8	0	2	0
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	8	0	8	0	2	0
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2	0
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2	0
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2	0
46570	HARDNESS, CA MG CALCULATED (MG/L AS CaCO3)	2	2	0	0	2	0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	25	4	15	6	3	0
60050	ALGAE, TOTAL (CELLS/ML)	2	0	0	2	2	2
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	16	0	0	16	5	3
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11	0	0	11	4	3
70302	SOLIDS, DISSOLVED-TONS PER DAY	2	0	0	2	1	0
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11	0	0	11	4	3
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	149	0	112	37	3	0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	188	30	112	46	7	3
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	16	0	0	16	5	3
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	1	0	0	1	1	1
71885	IRON (UG/L AS FE)	5	0	0	5	2	0
71900	MERCURY, TOTAL (UG/L AS HG)	56	17	30	9	6	0
71921	MERCURY, TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	13	7	6	0	3	0
75045	HEPTACHLOR EPOXIDE SEDIMENT, DRY, WT, UG/KG	1	1	0	0	1	0
77825	ALACHLOR WHOLE WATER, UG/L	4	4	0	0	2	0
79799	DICOFOL (KELTHANE) SEDIMENT, DRY, WT, UG/KG	1	1	0	0	1	0
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	231	81	150	0	22	20
82032	CALCIUM - TOTAL UG/L (AS Ca)	2	2	0	0	2	0
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS, NTU	22	22	0	0	2	0
82398	SAMPLING METHOD (CODES)	3	0	0	3	3	2
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	1	0	1	0	1	1
84001	GEOLOGIC AGE CODE (SEE USGS CATALOG)	1	0	1	0	1	1

Station/Parameter Period of Record Tabulation **From 08/01/51 To 07/13/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
PRWI0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	18	185	
PRWI0006	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/30/89-05/30/89	0	1	
PRWI0008	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-06/25/85	2	30	
PRWI0010	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	21	220	
PRWI0012	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/01/85-02/13/85	0	2	
PRWI0013	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/85-03/26/85	0	1	
PRWI0014	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/15/83-03/26/85	1	4	
PRWI0015	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-06/25/85	2	34	
PRWI0016	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/15/83-03/26/85	1	6	
PRWI0017	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/01/85-03/26/85	0	3	
PRWI0018	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/73-06/26/85	12	38	
PRWI0019	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/29/83-03/29/83	0	1	
PRWI0020	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/73-06/26/85	12	36	
PRWI0022	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/83-05/25/83	0	1	
PRWI0023	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/02/85-03/27/85	0	4	
PRWI0024	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-06/25/85	2	34	
PRWI0025	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/08/74-10/18/83	8	8	
PRWI0026	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/83-03/27/85	1	5	
PRWI0027	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-06/25/85	2	32	
PRWI0028	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-10/18/83	0	7	
PRWI0029	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/01/85-03/28/85	0	3	
PRWI0030	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-03/20/84	0	11	
PRWI0031	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/83-06/25/85	1	28	
PRWI0032	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/69-08/27/85	16	31	
PRWI0033	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/74-06/18/79	4	23	
PRWI0034	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/17/83-11/17/83	0	8	
PRWI0035	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/83-12/14/83	0	8	
PRWI0036	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-05/25/83	0	2	
PRWI0037	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/73-03/29/84	11	15	
PRWI0039	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/83-03/30/83	0	1	
PRWI0040	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/83-03/30/83	0	1	
PRWI0042	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/88-06/08/88	0	1	
PRWI0043	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/88-06/08/88	0	1	
PRWI0011	No	00060	FLOW, STREAM, MEAN DAILY CFS	08/01/51-08/01/51	0	1	
PRWI0032	No	00060	FLOW, STREAM, MEAN DAILY CFS	08/01/51-05/06/69	17	6	
PRWI0008	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-06/25/85	2	33	
PRWI0012	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/85-02/13/85	0	2	
PRWI0013	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/85-03/26/85	0	1	
PRWI0014	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/15/83-03/26/85	1	4	
PRWI0015	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-06/25/85	2	37	
PRWI0016	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/15/83-03/26/85	1	6	
PRWI0017	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/85-03/26/85	0	3	
PRWI0018	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/15/83-06/26/85	2	36	
PRWI0019	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/83-03/29/83	0	1	
PRWI0020	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/17/83-06/26/85	2	33	
PRWI0023	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/02/85-03/27/85	0	4	
PRWI0024	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-06/25/85	2	36	
PRWI0025	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/17/83-10/18/83	0	6	
PRWI0026	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/16/83-03/27/85	1	5	
PRWI0027	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-06/25/85	2	32	
PRWI0028	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-10/18/83	0	7	
PRWI0029	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/85-03/28/85	0	3	
PRWI0030	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-03/20/84	0	11	
PRWI0031	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/23/83-06/25/85	1	31	
PRWI0032	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-08/27/85	2	29	
PRWI0034	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/17/83-11/17/83	0	8	
PRWI0035	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/83-12/14/83	0	8	
PRWI0036	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-05/25/83	0	2	
PRWI0037	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/17/83-03/29/84	1	13	
PRWI0039	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/83-03/30/83	0	1	
PRWI0040	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/83-03/30/83	0	1	
PRWI0001	No	00062	ELEVATION, RESERVOIR SURFACE WATER IN FEET	01/07/81-01/07/81	0	1	
PRWI0018	Yes	00065	STAGE, STREAM (FEET)	09/23/83-09/23/83	0	1	
PRWI0020	Yes	00065	STAGE, STREAM (FEET)	09/23/83-09/23/83	0	1	
PRWI0001	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/26/82-04/14/92	9	59	
PRWI0006	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/30/89-05/30/89	0	1	
PRWI0010	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/26/82-04/14/92	9	61	
PRWI0042	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/08/88-06/08/88	0	1	
PRWI0043	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/08/88-06/08/88	0	1	
PRWI0001	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	12/21/82-06/10/85	2	3	
PRWI0010	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	12/21/82-12/21/82	0	1	
PRWI0001	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/13/91-01/05/93	1	23	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 08/01/51 To 07/13/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
PRWI0010	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/13/91-01/05/93	1	24	
PRWI0011	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/01/51-08/01/51	0	1	
PRWI0018	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	03/28/73-10/25/73	0	2	
PRWI0020	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	03/28/73-10/24/74	1	3	
PRWI0032	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/01/51-10/25/73	22	8	
PRWI0037	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	03/28/73-10/25/73	0	2	
PRWI0024	Yes	00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	02/23/84-02/23/84	0	1	
PRWI0001	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	13	116	A
PRWI0006	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	05/30/89-05/30/89	0	1	
PRWI0010	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	14	118	A
PRWI0042	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	06/08/88-06/08/88	0	1	
PRWI0043	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	06/08/88-06/08/88	0	1	
PRWI0001	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/10/89-04/06/93	3	36	
PRWI0008	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-06/25/85	2	30	
PRWI0010	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/10/89-04/06/93	3	37	
PRWI0011	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/51-08/01/51	0	1	
PRWI0013	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/85-03/26/85	0	1	
PRWI0014	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/15/83-03/26/85	1	4	
PRWI0015	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-06/25/85	2	31	
PRWI0016	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/15/83-03/26/85	1	6	
PRWI0017	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/01/85-03/26/85	0	3	
PRWI0018	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/73-06/26/85	12	36	
PRWI0019	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/83-03/29/83	0	1	
PRWI0020	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/73-06/26/85	12	32	
PRWI0022	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/83-05/25/83	0	1	
PRWI0023	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/02/85-03/27/85	0	4	
PRWI0024	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-06/25/85	2	30	
PRWI0025	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/08/74-10/18/83	8	8	
PRWI0026	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/16/83-03/27/85	1	5	
PRWI0027	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-06/25/85	2	31	
PRWI0028	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-10/18/83	0	7	
PRWI0030	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-03/20/84	0	11	
PRWI0031	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/83-06/25/85	1	25	
PRWI0032	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/51-08/27/85	34	33	
PRWI0034	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/17/83-11/17/83	0	8	
PRWI0035	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/30/83-12/14/83	0	8	
PRWI0036	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-05/25/83	0	2	
PRWI0037	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/73-03/29/84	11	15	
PRWI0039	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/30/83-03/30/83	0	1	
PRWI0040	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/30/83-03/30/83	0	1	
PRWI0001	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/03/91-07/13/93	1	20	
PRWI0010	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/03/91-07/13/93	1	20	
PRWI0001	No	00300	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	17	163	T,A,S
PRWI0002	No	00300	OXYGEN, DISSOLVED MG/L	06/05/75-06/28/79	4	3	
PRWI0005	No	00300	OXYGEN, DISSOLVED MG/L	06/05/75-07/14/75	0	2	
PRWI0006	No	00300	OXYGEN, DISSOLVED MG/L	05/30/89-05/30/89	0	1	
PRWI0007	No	00300	OXYGEN, DISSOLVED MG/L	06/05/75-07/14/75	0	2	
PRWI0009	No	00300	OXYGEN, DISSOLVED MG/L	06/05/75-06/28/79	4	3	
PRWI0010	No	00300	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	19	198	T,A,S
PRWI0033	No	00300	OXYGEN, DISSOLVED MG/L	10/29/74-06/18/79	4	23	
PRWI0042	No	00300	OXYGEN, DISSOLVED MG/L	01/12/75-06/08/88	13	2	
PRWI0043	No	00300	OXYGEN, DISSOLVED MG/L	01/12/75-06/08/88	13	2	
PRWI0001	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	15	135	T,A,S
PRWI0002	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/05/75-06/28/79	4	3	
PRWI0005	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/05/75-07/14/75	0	2	
PRWI0006	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/30/89-05/30/89	0	1	
PRWI0007	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/05/75-07/14/75	0	2	
PRWI0009	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/05/75-06/28/79	4	3	
PRWI0010	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	21	137	T,A,S
PRWI0033	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/18/77	0	1	
PRWI0042	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/12/75-06/08/88	13	2	
PRWI0043	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/12/75-06/08/88	13	2	
PRWI0020	Yes	00335	COD, .025N K2CR2O7 MG/L	11/08/74-11/08/74	0	1	
PRWI0025	Yes	00335	COD, .025N K2CR2O7 MG/L	11/08/74-11/08/74	0	1	
PRWI0001	No	00340	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	13	132	A
PRWI0002	No	00340	COD, .25N K2CR2O7 MG/L	06/05/75-07/14/75	0	2	
PRWI0005	No	00340	COD, .25N K2CR2O7 MG/L	06/05/75-07/14/75	0	2	
PRWI0006	No	00340	COD, .25N K2CR2O7 MG/L	05/30/89-05/30/89	0	1	
PRWI0007	No	00340	COD, .25N K2CR2O7 MG/L	06/05/75-07/14/75	0	2	
PRWI0009	No	00340	COD, .25N K2CR2O7 MG/L	06/05/75-07/14/75	0	2	
PRWI0010	No	00340	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	13	136	A
PRWI0042	No	00340	COD, .25N K2CR2O7 MG/L	01/12/75-06/08/88	13	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 08/01/51 To 07/13/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
PRWI0043	No	00340	COD, .25N K2CR2O7 MG/L	01/12/75-06/08/88	13	2	
PRWI0001	No	00400	PH (STANDARD UNITS)	09/12/74-07/13/93	18	171	T,A,S
PRWI0002	No	00400	PH (STANDARD UNITS)	06/05/75-06/28/79	4	3	
PRWI0005	No	00400	PH (STANDARD UNITS)	06/05/75-07/14/75	0	2	
PRWI0006	No	00400	PH (STANDARD UNITS)	05/30/89-05/30/89	0	1	
PRWI0007	No	00400	PH (STANDARD UNITS)	06/05/75-07/14/75	0	2	
PRWI0009	No	00400	PH (STANDARD UNITS)	06/05/75-06/28/79	4	3	
PRWI0010	No	00400	PH (STANDARD UNITS)	01/24/72-07/13/93	21	204	T,A,S
PRWI0011	No	00400	PH (STANDARD UNITS)	08/01/51-08/01/51	0	1	
PRWI0018	Yes	00400	PH (STANDARD UNITS)	03/28/73-09/23/83	10	3	
PRWI0020	Yes	00400	PH (STANDARD UNITS)	03/28/73-09/23/83	10	5	
PRWI0022	Yes	00400	PH (STANDARD UNITS)	05/25/83-05/25/83	0	1	
PRWI0025	Yes	00400	PH (STANDARD UNITS)	11/08/74-09/23/83	8	2	
PRWI0032	No	00400	PH (STANDARD UNITS)	08/01/51-09/23/83	32	9	
PRWI0033	No	00400	PH (STANDARD UNITS)	10/29/74-04/25/79	4	22	
PRWI0037	Yes	00400	PH (STANDARD UNITS)	03/28/73-10/25/73	0	2	
PRWI0042	No	00400	PH (STANDARD UNITS)	01/12/75-06/08/88	13	2	
PRWI0043	No	00400	PH (STANDARD UNITS)	01/12/75-06/08/88	13	2	
PRWI0001	No	00403	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	10	82	A
PRWI0002	No	00403	PH, LAB, STANDARD UNITS SU	06/05/75-06/28/79	4	3	
PRWI0005	No	00403	PH, LAB, STANDARD UNITS SU	06/05/75-07/14/75	0	2	
PRWI0006	No	00403	PH, LAB, STANDARD UNITS SU	05/30/89-05/30/89	0	1	
PRWI0007	No	00403	PH, LAB, STANDARD UNITS SU	06/05/75-07/14/75	0	2	
PRWI0009	No	00403	PH, LAB, STANDARD UNITS SU	06/05/75-06/28/79	4	3	
PRWI0010	No	00403	PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	18	84	T,A,S
PRWI0018	Yes	00403	PH, LAB, STANDARD UNITS SU	09/23/83-09/23/83	0	1	
PRWI0020	Yes	00403	PH, LAB, STANDARD UNITS SU	09/23/83-09/23/83	0	1	
PRWI0022	Yes	00403	PH, LAB, STANDARD UNITS SU	05/25/83-05/25/83	0	1	
PRWI0025	Yes	00403	PH, LAB, STANDARD UNITS SU	09/23/83-09/23/83	0	1	
PRWI0032	No	00403	PH, LAB, STANDARD UNITS SU	09/23/83-09/23/83	0	1	
PRWI0042	No	00403	PH, LAB, STANDARD UNITS SU	06/08/88-06/08/88	0	1	
PRWI0043	No	00403	PH, LAB, STANDARD UNITS SU	06/08/88-06/08/88	0	1	
PRWI0010	No	00405	CARBON DIOXIDE (MG/L AS CO2)	01/30/72-01/30/72	0	1	
PRWI0018	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	03/28/73-10/25/73	0	2	
PRWI0020	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	03/28/73-10/24/74	1	3	
PRWI0032	No	00405	CARBON DIOXIDE (MG/L AS CO2)	03/28/73-10/25/73	0	2	
PRWI0037	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	03/28/73-10/25/73	0	2	
PRWI0001	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	10	82	A
PRWI0002	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	06/05/75-06/28/79	4	3	
PRWI0005	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	06/05/75-07/14/75	0	2	
PRWI0006	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/89-05/30/89	0	1	
PRWI0007	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	06/05/75-07/14/75	0	2	
PRWI0009	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	06/05/75-06/28/79	4	3	
PRWI0010	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	18	84	T,A,S
PRWI0018	Yes	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	03/28/73-10/25/73	0	2	
PRWI0020	Yes	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	03/28/73-10/24/74	1	3	
PRWI0032	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	02/19/69-10/25/73	4	4	
PRWI0037	Yes	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	03/28/73-10/25/73	0	2	
PRWI0042	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	06/08/88-06/08/88	0	1	
PRWI0043	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	06/08/88-06/08/88	0	1	
PRWI0011	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/01/51-08/01/51	0	1	
PRWI0018	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	03/28/73-10/25/73	0	2	
PRWI0020	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	03/28/73-10/24/74	1	3	
PRWI0032	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/01/51-10/25/73	22	8	
PRWI0037	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	03/28/73-10/25/73	0	2	
PRWI0018	Yes	00445	CARBONATE ION (MG/L AS CO3)	03/28/73-10/25/73	0	2	
PRWI0020	Yes	00445	CARBONATE ION (MG/L AS CO3)	03/28/73-10/25/73	0	2	
PRWI0032	No	00445	CARBONATE ION (MG/L AS CO3)	02/19/69-10/25/73	4	4	
PRWI0037	Yes	00445	CARBONATE ION (MG/L AS CO3)	03/28/73-10/25/73	0	2	
PRWI0001	No	00500	RESIDUE, TOTAL (MG/L)	07/17/79-04/06/93	13	51	A
PRWI0002	No	00500	RESIDUE, TOTAL (MG/L)	06/05/75-06/28/79	4	3	
PRWI0005	No	00500	RESIDUE, TOTAL (MG/L)	06/05/75-07/14/75	0	2	
PRWI0006	No	00500	RESIDUE, TOTAL (MG/L)	05/30/89-05/30/89	0	1	
PRWI0007	No	00500	RESIDUE, TOTAL (MG/L)	06/05/75-07/14/75	0	2	
PRWI0009	No	00500	RESIDUE, TOTAL (MG/L)	06/05/75-06/28/79	4	3	
PRWI0010	No	00500	RESIDUE, TOTAL (MG/L)	07/10/79-04/06/93	13	53	
PRWI0042	No	00500	RESIDUE, TOTAL (MG/L)	01/12/75-01/12/75	0	1	
PRWI0043	No	00500	RESIDUE, TOTAL (MG/L)	01/12/75-01/12/75	0	1	
PRWI0001	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/17/79-04/06/93	13	51	A
PRWI0002	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/05/75-06/28/79	4	3	
PRWI0005	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/05/75-07/14/75	0	2	
PRWI0006	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/30/89-05/30/89	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 08/01/51 To 07/13/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
PRWI0007	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/05/75-07/14/75	0	2	
PRWI0009	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/05/75-06/28/79	4	3	
PRWI0010	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-04/06/93	13	53	
PRWI0042	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/12/75-01/12/75	0	1	
PRWI0043	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/12/75-01/12/75	0	1	
PRWI0001	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/17/79-04/06/93	13	51	A
PRWI0002	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/05/75-06/28/79	4	3	
PRWI0005	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/05/75-07/14/75	0	2	
PRWI0006	No	00510	RESIDUE, TOTAL FIXED (MG/L)	05/30/89-05/30/89	0	1	
PRWI0007	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/05/75-07/14/75	0	2	
PRWI0009	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/05/75-06/28/79	4	3	
PRWI0010	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/10/79-04/06/93	13	52	
PRWI0042	No	00510	RESIDUE, TOTAL FIXED (MG/L)	01/12/75-01/12/75	0	1	
PRWI0043	No	00510	RESIDUE, TOTAL FIXED (MG/L)	01/12/75-01/12/75	0	1	
PRWI0001	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	13	134	A
PRWI0002	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/05/75-06/28/79	4	3	
PRWI0005	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/05/75-07/14/75	0	2	
PRWI0006	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/30/89-05/30/89	0	1	
PRWI0007	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/05/75-07/14/75	0	2	
PRWI0009	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/05/75-06/28/79	4	3	
PRWI0010	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	13	135	A
PRWI0042	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/75-06/08/88	13	2	
PRWI0043	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/75-06/08/88	13	2	
PRWI0001	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	13	133	A
PRWI0002	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/05/75-06/28/79	4	3	
PRWI0005	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/05/75-07/14/75	0	2	
PRWI0006	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/30/89-05/30/89	0	1	
PRWI0007	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/05/75-07/14/75	0	2	
PRWI0009	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/05/75-06/28/79	4	3	
PRWI0010	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	13	135	A
PRWI0042	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/12/75-06/08/88	13	2	
PRWI0043	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/12/75-06/08/88	13	2	
PRWI0001	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	13	134	A
PRWI0002	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/05/75-06/28/79	4	3	
PRWI0005	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/05/75-07/14/75	0	2	
PRWI0006	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/30/89-05/30/89	0	1	
PRWI0007	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/05/75-07/14/75	0	2	
PRWI0009	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/05/75-06/28/79	4	3	
PRWI0010	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	13	134	A
PRWI0042	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/12/75-06/08/88	13	2	
PRWI0043	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/12/75-06/08/88	13	2	
PRWI0001	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	18	185	T,A,S
PRWI0002	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/75-06/28/79	4	3	
PRWI0005	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/75-07/14/75	0	2	
PRWI0006	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/30/89-05/30/89	0	1	
PRWI0007	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/75-07/14/75	0	2	
PRWI0009	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/75-06/28/79	4	3	
PRWI0010	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	21	214	T,A,S
PRWI0033	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/29/74-06/18/79	4	23	
PRWI0042	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/08/88-06/08/88	0	1	
PRWI0043	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/12/75-06/08/88	13	2	
PRWI0020	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/24/74-10/24/74	0	1	
PRWI0001	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	18	186	T,A,S
PRWI0002	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/05/75-06/28/79	4	3	
PRWI0005	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/05/75-07/14/75	0	2	
PRWI0006	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/30/89-05/30/89	0	1	
PRWI0007	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/05/75-07/14/75	0	2	
PRWI0009	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/05/75-06/28/79	4	3	
PRWI0010	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	21	216	T,A,S
PRWI0033	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/29/74-06/18/79	4	23	
PRWI0042	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/75-06/08/88	13	2	
PRWI0043	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/75-06/08/88	13	2	
PRWI0018	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/28/73-10/25/73	0	2	
PRWI0020	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/28/73-10/24/74	1	3	
PRWI0032	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/28/73-10/25/73	0	2	
PRWI0037	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/28/73-10/25/73	0	2	
PRWI0001	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	18	158	T,A,S
PRWI0002	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/05/75-06/28/79	4	3	
PRWI0005	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/05/75-07/14/75	0	2	
PRWI0006	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/30/89-05/30/89	0	1	
PRWI0007	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/05/75-07/14/75	0	2	
PRWI0009	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/05/75-06/28/79	4	3	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 08/01/51 To 07/13/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
PRWI0010	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	21	190	T,A,S
PRWI0033	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/29/74-10/07/76	1	10	
PRWI0042	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/75-06/08/88	13	2	
PRWI0043	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/75-06/08/88	13	2	
PRWI0001	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	18	186	T,A,S
PRWI0002	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/05/75-06/28/79	4	3	
PRWI0005	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/05/75-07/14/75	0	2	
PRWI0006	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/30/89-05/30/89	0	1	
PRWI0007	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/05/75-07/14/75	0	2	
PRWI0009	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/05/75-06/28/79	4	3	
PRWI0010	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	21	215	T,A,S
PRWI0033	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/29/74-06/18/79	4	23	
PRWI0042	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/75-06/08/88	13	2	
PRWI0043	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/75-06/08/88	13	2	
PRWI0001	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/07/76-06/18/79	2	27	
PRWI0010	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/07/76-06/18/79	2	26	
PRWI0033	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/02/76-06/18/79	2	13	
PRWI0018	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/23/83-09/23/83	0	1	
PRWI0020	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/24/74-09/23/83	8	2	
PRWI0022	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/25/83-05/25/83	0	1	
PRWI0025	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/23/83-09/23/83	0	1	
PRWI0032	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/23/83-09/23/83	0	1	
PRWI0001	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	04/08/82-04/08/82	0	1	
PRWI0032	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/19/69-05/06/69	0	2	
PRWI0020	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/24/74-10/24/74	0	1	
PRWI0001	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	13	137	A
PRWI0002	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/05/75-06/28/79	4	3	
PRWI0005	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/05/75-07/14/75	0	2	
PRWI0006	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/30/89-05/30/89	0	1	
PRWI0007	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/05/75-07/14/75	0	2	
PRWI0009	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/05/75-06/28/79	4	3	
PRWI0010	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	13	138	A
PRWI0042	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/75-06/08/88	13	2	
PRWI0043	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/75-06/08/88	13	2	
PRWI0001	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	12	120	A
PRWI0002	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/05/75-06/28/79	4	3	
PRWI0005	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/05/75-07/14/75	0	2	
PRWI0006	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/30/89-05/30/89	0	1	
PRWI0007	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/05/75-07/14/75	0	2	
PRWI0009	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/05/75-06/28/79	4	3	
PRWI0010	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	12	122	A
PRWI0020	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/24/74-10/24/74	0	1	
PRWI0042	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/12/75-06/08/88	13	2	
PRWI0043	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/12/75-06/08/88	13	2	
PRWI0001	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	13	126	A
PRWI0002	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/05/75-06/28/79	4	3	
PRWI0005	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/05/75-07/14/75	0	2	
PRWI0006	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/30/89-05/30/89	0	1	
PRWI0007	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/05/75-07/14/75	0	2	
PRWI0009	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/05/75-06/28/79	4	3	
PRWI0010	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	13	130	A
PRWI0020	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/08/74-11/08/74	0	1	
PRWI0042	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/75-06/08/88	13	2	
PRWI0043	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/75-06/08/88	13	2	
PRWI0001	No	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	5	63	A
PRWI0006	No	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	05/30/89-05/30/89	0	1	
PRWI0010	No	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	5	65	A
PRWI0011	No	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	08/01/51-08/01/51	0	1	
PRWI0018	Yes	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	03/28/73-10/25/73	0	2	
PRWI0020	Yes	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	03/28/73-10/24/74	1	3	
PRWI0032	No	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	08/01/51-10/25/73	22	8	
PRWI0037	Yes	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	03/28/73-10/25/73	0	2	
PRWI0042	No	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/08/88-06/08/88	0	1	
PRWI0043	No	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/08/88-06/08/88	0	1	
PRWI0011	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/01/51-08/01/51	0	1	
PRWI0018	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	03/28/73-10/25/73	0	2	
PRWI0020	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	03/28/73-10/24/74	1	3	
PRWI0032	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/01/51-10/25/73	22	8	
PRWI0037	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	03/28/73-10/25/73	0	2	
PRWI0011	No	00915	CALCIUM, DISSOLVED (MG/L AS Ca)	08/01/51-08/01/51	0	1	
PRWI0018	Yes	00915	CALCIUM, DISSOLVED (MG/L AS Ca)	03/28/73-09/23/83	10	3	
PRWI0020	Yes	00915	CALCIUM, DISSOLVED (MG/L AS Ca)	03/28/73-09/23/83	10	4	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 08/01/51 To 07/13/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
PRWI0022	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/83-05/25/83	0	1	
PRWI0025	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/23/83-09/23/83	0	1	
PRWI0032	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/01/51-09/23/83	32	9	
PRWI0037	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/28/73-10/25/73	0	2	
PRWI0011	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/51-08/01/51	0	1	
PRWI0018	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/28/73-09/23/83	10	3	
PRWI0020	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/28/73-09/23/83	10	4	
PRWI0022	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/83-05/25/83	0	1	
PRWI0025	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/23/83-09/23/83	0	1	
PRWI0032	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/51-09/23/83	32	9	
PRWI0037	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/28/73-10/25/73	0	2	
PRWI0001	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/27/84-08/27/84	0	2	
PRWI0010	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/27/84-08/27/84	0	1	
PRWI0011	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/01/51-08/01/51	0	1	
PRWI0018	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/28/73-09/23/83	10	3	
PRWI0020	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/28/73-09/23/83	10	4	
PRWI0022	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/25/83-05/25/83	0	1	
PRWI0025	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/23/83-09/23/83	0	1	
PRWI0032	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/01/51-09/23/83	32	9	
PRWI0037	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/28/73-10/25/73	0	2	
PRWI0018	Yes	00931	SODIUM ADSORPTION RATIO	03/28/73-10/25/73	0	2	
PRWI0020	Yes	00931	SODIUM ADSORPTION RATIO	03/28/73-10/24/74	1	3	
PRWI0032	No	00931	SODIUM ADSORPTION RATIO	02/19/69-10/25/73	4	4	
PRWI0037	Yes	00931	SODIUM ADSORPTION RATIO	03/28/73-10/25/73	0	2	
PRWI0018	Yes	00932	SODIUM, PERCENT	03/28/73-10/25/73	0	2	
PRWI0020	Yes	00932	SODIUM, PERCENT	03/28/73-10/24/74	1	3	
PRWI0032	No	00932	SODIUM, PERCENT	02/19/69-10/25/73	4	4	
PRWI0037	Yes	00932	SODIUM, PERCENT	03/28/73-10/25/73	0	2	
PRWI0018	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/28/73-09/23/83	10	3	
PRWI0020	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/28/73-09/23/83	10	4	
PRWI0022	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/25/83-05/25/83	0	1	
PRWI0025	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/23/83-09/23/83	0	1	
PRWI0032	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/18/52-09/23/83	30	8	
PRWI0037	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/28/73-10/25/73	0	2	
PRWI0001	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	10	56	A
PRWI0002	No	00940	CHLORIDE, TOTAL IN WATER MG/L	06/05/75-07/14/75	0	2	
PRWI0005	No	00940	CHLORIDE, TOTAL IN WATER MG/L	06/05/75-07/14/75	0	2	
PRWI0006	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/30/89-05/30/89	0	1	
PRWI0007	No	00940	CHLORIDE, TOTAL IN WATER MG/L	06/05/75-07/14/75	0	2	
PRWI0009	No	00940	CHLORIDE, TOTAL IN WATER MG/L	06/05/75-07/14/75	0	2	
PRWI0010	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	10	57	
PRWI0011	No	00940	CHLORIDE, TOTAL IN WATER MG/L	08/01/51-08/01/51	0	1	
PRWI0018	Yes	00940	CHLORIDE, TOTAL IN WATER MG/L	03/28/73-09/23/83	10	3	
PRWI0020	Yes	00940	CHLORIDE, TOTAL IN WATER MG/L	03/28/73-09/23/83	10	4	
PRWI0022	Yes	00940	CHLORIDE, TOTAL IN WATER MG/L	05/25/83-05/25/83	0	1	
PRWI0025	Yes	00940	CHLORIDE, TOTAL IN WATER MG/L	09/23/83-09/23/83	0	1	
PRWI0032	No	00940	CHLORIDE, TOTAL IN WATER MG/L	08/01/51-09/23/83	32	9	
PRWI0037	Yes	00940	CHLORIDE, TOTAL IN WATER MG/L	03/28/73-10/25/73	0	2	
PRWI0001	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/06/85-04/06/93	7	47	A
PRWI0002	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/14/75-07/14/75	0	1	
PRWI0005	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/14/75-07/14/75	0	1	
PRWI0006	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/30/89-05/30/89	0	1	
PRWI0007	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/14/75-07/14/75	0	1	
PRWI0009	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/14/75-07/14/75	0	1	
PRWI0010	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/88-04/06/93	4	46	
PRWI0011	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/51-08/01/51	0	1	
PRWI0018	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/28/73-09/23/83	10	3	
PRWI0020	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/28/73-09/23/83	10	4	
PRWI0022	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/83-05/25/83	0	1	
PRWI0025	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/23/83-09/23/83	0	1	
PRWI0032	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/51-09/23/83	32	9	
PRWI0037	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/28/73-10/25/73	0	2	
PRWI0011	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/01/51-08/01/51	0	1	
PRWI0018	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/28/73-10/25/73	0	2	
PRWI0020	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/28/73-10/24/74	1	3	
PRWI0032	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/01/51-10/25/73	22	8	
PRWI0037	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/28/73-10/25/73	0	2	
PRWI0001	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/09/88-04/06/93	4	42	A
PRWI0006	No	00951	FLUORIDE, TOTAL (MG/L AS F)	05/30/89-05/30/89	0	1	
PRWI0010	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/09/88-04/06/93	4	43	
PRWI0001	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/29/83-01/05/93	9	43	
PRWI0010	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/29/83-01/05/93	9	44	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 08/01/51 To 07/13/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
PRWI0011	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/01/51-08/01/51	0	1	
PRWI0018	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/28/73-09/23/83	10	3	
PRWI0020	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/28/73-09/23/83	10	4	
PRWI0022	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/25/83-05/25/83	0	1	
PRWI0025	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/23/83-09/23/83	0	1	
PRWI0032	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/01/51-09/23/83	32	9	
PRWI0037	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/28/73-10/25/73	0	2	
PRWI0001	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/20/75-03/10/93	17	19	
PRWI0006	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/30/89-05/30/89	0	1	
PRWI0010	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/30/72-03/10/93	21	22	S
PRWI0018	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/23/83-09/23/83	0	1	
PRWI0020	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/23/83-09/23/83	0	1	
PRWI0025	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/23/83-09/23/83	0	1	
PRWI0032	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/23/83-09/23/83	0	1	
PRWI0033	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/20/75-04/25/79	3	6	
PRWI0042	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/08/88-06/08/88	0	1	
PRWI0043	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/08/88-06/08/88	0	1	
PRWI0001	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0010	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0043	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/08/88-06/08/88	0	1	
PRWI0001	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/07/83-03/10/93	9	5	
PRWI0010	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/07/83-03/10/93	9	5	
PRWI0001	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/05/83-10/12/89	6	3	
PRWI0010	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/05/83-10/12/89	6	3	
PRWI0001	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/11/75-03/10/93	17	20	
PRWI0006	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/30/89-05/30/89	0	1	
PRWI0010	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/72-03/10/93	21	24	S
PRWI0033	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/20/75-04/25/79	3	6	
PRWI0042	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/88-06/08/88	0	1	
PRWI0043	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/88-06/08/88	0	1	
PRWI0001	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0010	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0043	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/08/88-06/08/88	0	1	
PRWI0001	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0010	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0043	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/08/88-06/08/88	0	1	
PRWI0001	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/11/75-03/10/93	17	20	
PRWI0006	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/30/89-05/30/89	0	1	
PRWI0010	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/72-03/10/93	21	28	S
PRWI0033	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/20/75-04/25/79	3	6	
PRWI0042	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/08/88-06/08/88	0	1	
PRWI0043	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/08/88-06/08/88	0	1	
PRWI0001	No	01042	COPPER, TOTAL (UG/L AS CU)	05/11/75-03/10/93	17	20	
PRWI0006	No	01042	COPPER, TOTAL (UG/L AS CU)	05/30/89-05/30/89	0	1	
PRWI0010	No	01042	COPPER, TOTAL (UG/L AS CU)	01/30/72-03/10/93	21	29	S
PRWI0018	Yes	01042	COPPER, TOTAL (UG/L AS CU)	09/23/83-09/23/83	0	1	
PRWI0020	Yes	01042	COPPER, TOTAL (UG/L AS CU)	09/23/83-09/23/83	0	1	
PRWI0022	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/25/83-05/25/83	0	1	
PRWI0025	Yes	01042	COPPER, TOTAL (UG/L AS CU)	09/23/83-09/23/83	0	1	
PRWI0032	No	01042	COPPER, TOTAL (UG/L AS CU)	09/23/83-09/23/83	0	1	
PRWI0033	No	01042	COPPER, TOTAL (UG/L AS CU)	10/20/75-04/25/79	3	6	
PRWI0042	No	01042	COPPER, TOTAL (UG/L AS CU)	06/08/88-06/08/88	0	1	
PRWI0043	No	01042	COPPER, TOTAL (UG/L AS CU)	06/08/88-06/08/88	0	1	
PRWI0001	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0010	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0043	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/08/88-06/08/88	0	1	
PRWI0018	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	09/23/83-09/23/83	0	1	
PRWI0020	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	09/23/83-09/23/83	0	1	
PRWI0025	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	09/23/83-09/23/83	0	1	
PRWI0032	No	01044	IRON, SUSPENDED (UG/L AS FE)	09/23/83-09/23/83	0	1	
PRWI0001	No	01045	IRON, TOTAL (UG/L AS FE)	11/28/78-03/10/93	14	8	
PRWI0006	No	01045	IRON, TOTAL (UG/L AS FE)	05/30/89-05/30/89	0	1	
PRWI0010	No	01045	IRON, TOTAL (UG/L AS FE)	11/28/78-03/10/93	14	9	
PRWI0018	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/23/83-09/23/83	0	1	
PRWI0020	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/23/83-09/23/83	0	1	
PRWI0022	Yes	01045	IRON, TOTAL (UG/L AS FE)	05/25/83-05/25/83	0	1	
PRWI0025	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/23/83-09/23/83	0	1	
PRWI0032	No	01045	IRON, TOTAL (UG/L AS FE)	09/23/83-09/23/83	0	1	
PRWI0033	No	01045	IRON, TOTAL (UG/L AS FE)	04/25/79-04/25/79	0	1	
PRWI0042	No	01045	IRON, TOTAL (UG/L AS FE)	06/08/88-06/08/88	0	1	
PRWI0043	No	01045	IRON, TOTAL (UG/L AS FE)	06/08/88-06/08/88	0	1	
PRWI0018	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/28/73-09/23/83	10	3	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 08/01/51 To 07/13/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
PRWI0020	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/28/73-09/23/83	10	4	
PRWI0025	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/23/83-09/23/83	0	1	
PRWI0032	No	01046	IRON, DISSOLVED (UG/L AS FE)	02/19/69-09/23/83	14	5	
PRWI0037	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/28/73-10/25/73	0	2	
PRWI0001	No	01051	LEAD, TOTAL (UG/L AS PB)	05/11/75-03/10/93	17	20	
PRWI0006	No	01051	LEAD, TOTAL (UG/L AS PB)	05/30/89-05/30/89	0	1	
PRWI0010	No	01051	LEAD, TOTAL (UG/L AS PB)	01/30/72-03/10/93	21	28	S
PRWI0018	Yes	01051	LEAD, TOTAL (UG/L AS PB)	09/23/83-09/23/83	0	1	
PRWI0020	Yes	01051	LEAD, TOTAL (UG/L AS PB)	09/23/83-09/23/83	0	1	
PRWI0022	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/25/83-05/25/83	0	1	
PRWI0025	Yes	01051	LEAD, TOTAL (UG/L AS PB)	09/23/83-09/23/83	0	1	
PRWI0032	No	01051	LEAD, TOTAL (UG/L AS PB)	09/23/83-09/23/83	0	1	
PRWI0033	No	01051	LEAD, TOTAL (UG/L AS PB)	10/20/75-04/25/79	3	6	
PRWI0042	No	01051	LEAD, TOTAL (UG/L AS PB)	06/08/88-06/08/88	0	1	
PRWI0043	No	01051	LEAD, TOTAL (UG/L AS PB)	06/08/88-06/08/88	0	1	
PRWI0001	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0010	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0043	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/08/88-06/08/88	0	1	
PRWI0001	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/12/89-10/12/89	0	1	
PRWI0010	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/12/89-10/12/89	0	1	
PRWI0018	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	09/23/83-09/23/83	0	1	
PRWI0020	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	09/23/83-09/23/83	0	1	
PRWI0025	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	09/23/83-09/23/83	0	1	
PRWI0032	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	09/23/83-09/23/83	0	1	
PRWI0001	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/28/78-03/10/93	14	8	
PRWI0010	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/28/78-03/10/93	14	9	
PRWI0018	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	09/23/83-09/23/83	0	1	
PRWI0020	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	09/23/83-09/23/83	0	1	
PRWI0025	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	09/23/83-09/23/83	0	1	
PRWI0032	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/23/83-09/23/83	0	1	
PRWI0033	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/25/79-04/25/79	0	1	
PRWI0018	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/23/83-09/23/83	0	1	
PRWI0020	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/23/83-09/23/83	0	1	
PRWI0025	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/23/83-09/23/83	0	1	
PRWI0032	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/23/83-09/23/83	0	1	
PRWI0001	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/07/83-03/10/93	9	5	
PRWI0010	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/07/83-03/10/93	9	5	
PRWI0001	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/11/75-04/25/79	3	7	
PRWI0010	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/18/73-04/25/79	6	11	
PRWI0033	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/20/75-04/25/79	3	6	
PRWI0001	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/22/79-03/10/93	13	11	
PRWI0006	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/30/89-05/30/89	0	1	
PRWI0010	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/02/79-03/10/93	13	13	
PRWI0042	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/08/88-06/08/88	0	1	
PRWI0043	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/08/88-06/08/88	0	1	
PRWI0001	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0010	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0043	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/08/88-06/08/88	0	1	
PRWI0001	No	01077	SILVER, TOTAL (UG/L AS AG)	10/03/88-10/03/88	0	2	
PRWI0010	No	01077	SILVER, TOTAL (UG/L AS AG)	10/03/88-10/03/88	0	2	
PRWI0001	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/11/75-03/10/93	17	18	
PRWI0006	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/30/89-05/30/89	0	1	
PRWI0010	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/30/72-03/10/93	21	29	S
PRWI0018	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	09/23/83-09/23/83	0	1	
PRWI0020	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	09/23/83-09/23/83	0	1	
PRWI0022	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/25/83-05/25/83	0	1	
PRWI0025	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	09/23/83-09/23/83	0	1	
PRWI0032	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/23/83-09/23/83	0	1	
PRWI0033	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/20/75-04/25/79	3	6	
PRWI0042	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/08/88-06/08/88	0	1	
PRWI0043	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/08/88-06/08/88	0	1	
PRWI0001	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0010	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/12/80-10/12/89	9	7	
PRWI0043	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/08/88-06/08/88	0	1	
PRWI0018	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/23/83-09/23/83	0	1	
PRWI0020	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/23/83-09/23/83	0	1	
PRWI0025	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/23/83-09/23/83	0	1	
PRWI0032	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/23/83-09/23/83	0	1	
PRWI0001	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/07/83-03/10/93	9	6	
PRWI0010	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/07/83-03/10/93	9	6	
PRWI0001	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/05/83-10/12/89	6	4	
PRWI0010	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/05/83-10/12/89	6	4	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 08/01/51 To 07/13/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
PRWI0001	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/12/89-10/12/89	0	1	
PRWI0010	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/12/89-10/12/89	0	1	
PRWI0001	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/14/82-02/13/85	2	11	
PRWI0010	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/14/82-10/13/83	1	10	
PRWI0001	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/14/82-04/14/92	9	20	
PRWI0010	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/14/82-04/14/92	9	20	
PRWI0001	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/12/74-05/11/93	18	136	T,A,S
PRWI0010	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/24/72-05/11/93	21	168	T,A,S
PRWI0033	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/29/74-06/18/79	4	24	
PRWI0042	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/08/88-06/08/88	0	1	
PRWI0043	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/08/88-06/08/88	0	1	
PRWI0020	Yes	32230	CHLOROPHYLL A (MG/L)	11/08/74-11/08/74	0	1	
PRWI0025	Yes	32230	CHLOROPHYLL A (MG/L)	11/08/74-11/08/74	0	1	
PRWI0020	Yes	32231	CHLOROPHYLL B (MG/L)	11/08/74-11/08/74	0	1	
PRWI0025	Yes	32231	CHLOROPHYLL B (MG/L)	11/08/74-11/08/74	0	1	
PRWI0010	No	32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	05/12/72-05/12/72	0	1	
PRWI0001	No	32240	TANNIN AND LIGNIN (MG/L)	05/12/92-12/08/92	0	7	
PRWI0010	No	32240	TANNIN AND LIGNIN (MG/L)	05/12/92-12/08/92	0	6	
PRWI0001	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	34351	ENDOSULFAN SULFATE TOTWUG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	34351	ENDOSULFAN SULFATE TOTWUG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	34356	ENDOSULFAN, BETA TOTWUG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	34356	ENDOSULFAN, BETA TOTWUG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	34366	ENDRIN ALDEHYDE TOTWUG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	34366	ENDRIN ALDEHYDE TOTWUG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	34480	THALLIUM DRY WGTBOTMG/KG	05/05/83-10/12/89	6	4	
PRWI0010	No	34480	THALLIUM DRY WGTBOTMG/KG	05/05/83-10/12/89	6	4	
PRWI0001	No	34671	PCB - 1016 TOTWUG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	34671	PCB - 1016 TOTWUG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	38451	DICHLORPROP WATER,SUSPUG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	38451	DICHLORPROP WATER,SUSPUG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	38745	2,4-DB WATER, TOTUG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	38745	2,4-DB WATER, TOTUG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/26/79-07/14/86	6	6	
PRWI0010	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/26/79-07/14/86	6	6	
PRWI0001	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/10/85-07/30/92	7	3	
PRWI0010	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/10/85-08/11/86	1	2	
PRWI0001	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/26/79-08/31/81	1	4	
PRWI0010	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/26/79-08/31/81	1	4	
PRWI0001	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/26/79-08/31/81	1	4	
PRWI0010	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/26/79-08/31/81	1	4	
PRWI0001	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/26/79-08/31/81	1	4	
PRWI0010	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/26/79-08/31/81	1	4	
PRWI0001	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/26/79-08/31/81	1	4	
PRWI0010	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/26/79-08/31/81	1	4	
PRWI0001	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	6	
PRWI0010	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	6	
PRWI0001	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	1	4	
PRWI0010	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	1	4	
PRWI0001	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	6	
PRWI0010	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	6	
PRWI0001	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	1	4	
PRWI0010	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	1	4	
PRWI0001	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	6	
PRWI0010	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	6	
PRWI0001	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	1	4	
PRWI0010	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	1	4	
PRWI0001	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	8	
PRWI0010	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/03/74-07/14/86	12	9	
PRWI0001	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/21/81-07/30/92	11	5	
PRWI0010	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/21/81-05/25/84	3	4	
PRWI0001	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/08/85-07/14/86	1	2	
PRWI0010	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/08/85-07/14/86	1	2	
PRWI0001	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/08/85-07/14/86	1	2	
PRWI0010	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/08/85-07/14/86	1	2	
PRWI0001	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/08/85-07/14/86	1	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 08/01/51 To 07/13/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
PRWI0001	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/26/79-08/31/81	1	4	
PRWI0010	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/26/79-08/31/81	1	4	
PRWI0001	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/10/85-07/30/92	7	3	
PRWI0010	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/10/85-08/11/86	1	2	
PRWI0001	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-07/30/92	7	3	
PRWI0010	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-08/11/86	1	2	
PRWI0001	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-07/30/92	7	3	
PRWI0010	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-08/11/86	1	2	
PRWI0001	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-07/30/92	7	3	
PRWI0010	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-08/11/86	1	2	
PRWI0001	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	6	
PRWI0010	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	05/03/74-07/14/86	12	7	
PRWI0001	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/10/85-07/30/92	7	3	
PRWI0010	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/10/85-08/11/86	1	2	
PRWI0001	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	6	
PRWI0010	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	6	
PRWI0001	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-07/30/92	7	3	
PRWI0010	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-08/11/86	1	2	
PRWI0001	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	1	2	
PRWI0010	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	1	2	
PRWI0001	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/10/85-07/30/92	7	3	
PRWI0010	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/10/85-08/11/86	1	2	
PRWI0001	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	1	2	
PRWI0010	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	1	2	
PRWI0001	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/10/85-07/30/92	7	3	
PRWI0010	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/10/85-08/11/86	1	2	
PRWI0001	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	1	2	
PRWI0010	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	1	2	
PRWI0001	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	1	4	
PRWI0010	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	1	4	
PRWI0001	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	1	4	
PRWI0010	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	1	4	
PRWI0001	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/10/85-07/30/92	7	3	
PRWI0010	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/10/85-08/11/86	1	2	
PRWI0001	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/27/82-07/07/83	0	2	
PRWI0010	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/27/82-07/07/83	0	2	
PRWI0001	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/21/81-05/25/84	3	4	
PRWI0010	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/21/81-05/25/84	3	4	
PRWI0001	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	1	4	
PRWI0010	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	1	4	
PRWI0001	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	1	2	
PRWI0010	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	1	2	
PRWI0001	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	1	2	
PRWI0010	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	1	2	
PRWI0001	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	1	2	
PRWI0010	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	1	2	
PRWI0001	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CaCO3)	03/10/93-03/10/93	0	1	
PRWI0010	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CaCO3)	03/10/93-03/10/93	0	1	
PRWI0001	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	04/21/81-05/22/86	5	8	
PRWI0010	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	01/24/72-05/22/86	14	16	
PRWI0033	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/18/75-08/18/75	0	1	
PRWI0020	Yes	60050	ALGAE, TOTAL (CELLS/ML)	11/08/74-11/08/74	0	1	
PRWI0025	Yes	60050	ALGAE, TOTAL (CELLS/ML)	11/08/74-11/08/74	0	1	
PRWI0011	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/01/51-08/01/51	0	1	
PRWI0018	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/73-10/25/73	0	2	
PRWI0020	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/73-10/24/74	1	3	
PRWI0032	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/01/51-10/25/73	22	8	
PRWI0037	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/73-10/25/73	0	2	
PRWI0018	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/28/73-10/25/73	0	2	
PRWI0020	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/28/73-10/24/74	1	3	
PRWI0032	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/19/69-10/25/73	4	4	
PRWI0037	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/28/73-10/25/73	0	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation From 08/01/51 To 07/13/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
PRWI0032	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	02/19/69-05/06/69	0	2	
PRWI0018	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/28/73-10/25/73	0	2	
PRWI0020	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/28/73-10/24/74	1	3	
PRWI0032	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/19/69-10/25/73	4	4	
PRWI0037	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/28/73-10/25/73	0	2	
PRWI0001	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/12/74-06/18/79	4	49	A
PRWI0010	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	01/24/72-06/18/79	7	77	A
PRWI0033	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10/29/74-06/18/79	4	23	
PRWI0001	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/74-06/15/93	18	64	A,S
PRWI0010	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	21	93	A,S
PRWI0018	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/28/73-10/25/73	0	2	
PRWI0020	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/28/73-10/25/73	0	2	
PRWI0032	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/28/73-10/25/73	0	2	
PRWI0033	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/29/74-06/18/79	4	23	
PRWI0037	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/28/73-10/25/73	0	2	
PRWI0011	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/01/51-08/01/51	0	1	
PRWI0018	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/28/73-10/25/73	0	2	
PRWI0020	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/28/73-10/24/74	1	3	
PRWI0032	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/01/51-10/25/73	22	8	
PRWI0037	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/28/73-10/25/73	0	2	
PRWI0020	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/24/74-10/24/74	0	1	
PRWI0011	No	71885	IRON (UG/L AS FE)	08/01/51-08/01/51	0	1	
PRWI0032	No	71885	IRON (UG/L AS FE)	08/01/51-02/07/56	4	4	
PRWI0001	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/11/75-03/10/93	17	19	
PRWI0006	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/30/89-05/30/89	0	1	
PRWI0010	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/30/72-03/10/93	21	28	S
PRWI0033	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/20/75-04/25/79	3	6	
PRWI0042	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/08/88-06/08/88	0	1	
PRWI0043	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/08/88-06/08/88	0	1	
PRWI0001	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/21/81-10/12/89	8	6	
PRWI0010	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/21/81-10/12/89	8	6	
PRWI0043	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/08/88-06/08/88	0	1	
PRWI0001	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/30/92-07/30/92	0	1	
PRWI0001	No	77825	ALACHLOR WHOLE WATER,UG/L	07/08/85-07/14/86	1	2	
PRWI0010	No	77825	ALACHLOR WHOLE WATER,UG/L	07/08/85-07/14/86	1	2	
PRWI0001	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/30/92-07/30/92	0	1	
PRWI0008	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-03/26/85	1	21	
PRWI0012	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/01/85-02/13/85	0	2	
PRWI0013	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/26/85-03/26/85	0	1	
PRWI0014	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/26/85-03/26/85	0	1	
PRWI0015	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-03/26/85	1	26	
PRWI0016	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/01/85-03/26/85	0	4	
PRWI0017	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/01/85-03/26/85	0	3	
PRWI0018	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/29/83-06/26/85	1	24	
PRWI0020	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-06/26/85	1	20	
PRWI0023	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/02/85-02/13/85	0	3	
PRWI0024	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-03/27/85	1	23	
PRWI0025	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-10/26/83	0	7	
PRWI0026	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/02/85-03/27/85	0	4	
PRWI0027	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-06/25/85	1	28	
PRWI0028	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-06/28/83	0	1	
PRWI0029	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/01/85-03/28/85	0	3	
PRWI0030	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-03/20/84	0	3	
PRWI0031	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/20/84-03/27/85	1	22	
PRWI0032	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-08/27/85	2	20	
PRWI0034	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-10/26/83	0	7	
PRWI0035	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-06/28/83	0	1	
PRWI0037	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-10/26/83	0	7	
PRWI0001	No	82032	CALCIUM - TOTAL UG/L (AS CA)	03/10/93-03/10/93	0	1	
PRWI0010	No	82032	CALCIUM - TOTAL UG/L (AS CA)	03/10/93-03/10/93	0	1	
PRWI0001	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/12/92-04/06/93	0	11	
PRWI0010	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/12/92-04/06/93	0	11	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station-By-Station Results

Station Inventory for Station: PRWI0001

NPS Station ID: PRWI0001 LAT/LON: 38.520003/ -77.361671

Location: RT. 1 BRIDGE(PRINCE WILLIAM-STAFFORD CO. LINE)

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 0214001 002070

RMI-Miles: 0079.16 0003.65

HUC: 02070011

Major Basin: 02-NORTH-ATLANTIC

Minor Basin: 1-POTOMAC-SHENANDOAH

RF1 Index: 02070011088

RF3 Index: 02070011071700.00

Description:

VIRGINIA STATE WATER CONTROL BOARD

RIVER: CHOPAWAMSIC CREEK

AMBIENT MONITORING

SECTION: 05

BASIN: 1A POTOMAC

TOPO MAP #: 0043 TOPO MAP NAME: QUANTICO, VA - MD

Agency: 21VASWCB

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 1ACHO003.65 /VA1A05-X0025/VA1A3X0025

Within Park Boundary: No

Date Created: / /

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.70

Distance from RF3: 0.01

On/Off RF1: OFF

On/Off RF3:

Parameter Inventory for Station: PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	185	15.	14.168	28.8	0.	69.15	8.316	2.7	5.7	21.7	24.3
00062 ELEVATION, RESERVOIR SURFACE WATER IN FEET	01/07/81-01/07/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)	10/26/82-04/14/92	59	9.3	12.656	52.	2.	94.117	9.701	4.	7.2	15.	32.
00078 TRANSPARENCY, SECCHI DISC (METERS)	12/21/82-06/10/85	3	1.	31.833	94.	0.5	2898.583	53.838	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	02/13/91-01/05/93	23	83.	90.435	172.	13.	2063.439	45.425	22.	57.	112.	167.6
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	116	86.	114.026	1210.	52.	21220.686	145.673	62.7	72.	106.	154.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/10/89-04/06/93	36	75.5	84.639	153.	51.	707.837	26.605	58.1	65.	103.	127.6
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/03/91-07/13/93	20	9.3	9.35	12.5	6.1	2.886	1.699	7.14	8.125	10.9	11.94
00300p OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	163	9.3	9.721	14.5	5.	4.685	2.164	7.14	8.2	11.6	12.6
00310p BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	135	1.	1.4	9.	0.5	0.925	0.962	1.	1.	2.	2.
00340 COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	132	10.	11.223	35.	0.5	35.463	5.955	5.	7.	14.	18.
00400p PH (STANDARD UNITS)	09/12/74-07/13/93	171	6.6	6.624	9.	4.8	0.281	0.53	6.	6.38	7.	7.2
00400p CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	171	6.6	6.215	9.	4.8	0.448	0.669	6.	6.38	7.	7.2
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	171	0.251	0.609	15.849	0.001	2.656	1.63	0.063	0.1	0.417	1.
00403 PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	82	6.3	6.294	7.3	4.5	0.182	0.426	6.	6.2	6.5	6.8
00403 CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	82	6.3	5.932	7.3	4.5	0.314	0.561	6.	6.2	6.5	6.8
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	82	0.501	1.17	31.623	0.05	13.583	3.686	0.158	0.316	0.631	1.
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	82	7.	10.744	271.	0.	857.378	29.281	3.3	6.	9.	13.
00500 RESIDUE, TOTAL (MG/L)	07/17/79-04/06/93	51	76.	90.804	600.	60.	5615.961	74.94	62.	66.	91.	112.8
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/17/79-04/06/93	51	19.	29.275	500.	4.	4576.883	67.653	10.	15.	26.	30.
00510 RESIDUE, TOTAL FIXED (MG/L)	07/17/79-04/06/93	51	56.	61.529	104.	39.	264.054	16.25	46.	49.	73.	89.6
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	134	9.	16.366	442.	0.5	1607.538	40.094	2.5	5.	15.	29.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	133	4.	4.609	36.	0.	17.172	4.144	2.	2.5	6.	8.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	134	5.	12.09	406.	0.5	1349.018	36.729	2.	2.5	10.	20.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	185 ##	0.05	0.067	0.7	0.01	0.004	0.066	0.02	0.05	0.07	0.1
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	186 ##	0.005	0.006	0.04	0.005	0.	0.005	0.005	0.005	0.005	0.01
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	158	0.04	0.069	1.78	0.01	0.026	0.162	0.02	0.025	0.07	0.1
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	186	0.22	0.276	0.9	0.05	0.021	0.144	0.1	0.2	0.3	0.43
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/07/76-06/18/79	27	0.06	0.066	0.2	0.025	0.002	0.048	0.025	0.025	0.09	0.14
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	04/08/82-04/08/82	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	137 ##	0.05	0.061	0.2	0.005	0.001	0.026	0.05	0.05	0.05	0.1
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	120	0.01	0.01	0.05	0.005	0.	0.008	0.005	0.005	0.01	0.02
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	126	4.7	4.872	13.5	1.	4.854	2.203	2.27	3.475	6.	7.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	63	26.	29.429	55.	0.	115.797	10.761	18.	23.	36.	46.
00929	SODIUM, TOTAL (MG/L AS Na)	08/27/84-08/27/84	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/14/82-04/06/93	56	5.	5.5	16.	3.	7.818	2.796	3.	4.	6.	7.6
00945	SULFATE, TOTAL (MG/L AS SO4)	08/06/85-04/06/93	47	18.	21.702	51.	9.	99.779	9.989	11.8	15.	26.	35.6
00951	FLUORIDE, TOTAL (MG/L AS F)	11/09/88-04/06/93	42 ##	0.05	0.09	0.25	0.025	0.004	0.059	0.05	0.05	0.123	0.157
00955	SILICA, DISSOLVED (MG/L AS SiO2)	06/29/83-01/05/93	43	13.4	15.709	113.	8.	235.567	15.348	10.76	11.6	15.5	16.66
01002	ARSENIC, TOTAL (UG/L AS AS)	10/20/75-03/10/93	19 ##	1.	2.053	6.	0.5	4.053	2.013	0.5	0.5	5.	5.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/12/80-10/12/89	7	14.2	14.286	25.1	4.	62.341	7.896	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/07/83-03/10/93	5 ##	2.5	3.1	5.	0.5	3.675	1.917	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/05/83-10/12/89	3	2.	1.623	2.1	0.77	0.549	0.741	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/11/75-03/10/93	20 ##	5.	3.4	5.	0.5	3.989	1.997	0.5	0.75	5.	5.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-10/12/89	7 ##	0.2	0.215	0.5	0.065	0.026	0.16	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-10/12/89	7	18.6	21.114	31.	14.	44.941	6.704	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/11/75-03/10/93	20 ##	5.	5.15	25.	0.5	5.239	0.5	2.	5.	9.5	9.5
01042	COPPER, TOTAL (UG/L AS CU)	05/11/75-03/10/93	20 ##	5.	10.75	50.	5.	200.724	14.168	5.	5.	5.	47.5
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/12/80-10/12/89	7	30.3	25.786	35.3	10.7	86.535	9.302	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/28/78-03/10/93	8	1600.	2769.875	7490.	1380.	5038954.411	2244.762	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/11/75-03/10/93	20	4.5	4.85	15.	0.5	13.424	3.664	1.	2.25	5.	10.8
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/12/80-10/12/89	7	41.6	43.714	81.9	10.7	482.705	21.971	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/12/89-10/12/89	1	680.	680.	680.	680.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/28/78-03/10/93	8	565.	797.225	2340.	390.	438100.462	661.892	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	07/07/83-03/10/93	5 ##	5.	5.1	10.	0.5	11.3	3.362	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/11/75-04/25/79	7 ##	50.	43.571	50.	5.	289.286	17.008	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/22/79-03/10/93	11 ##	10.	16.818	50.	5.	201.364	14.19	5.	5.	25.	46.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-10/12/89	7	10.6	13.314	22.	6.7	32.815	5.728	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	10/03/88-10/03/88	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/11/75-03/10/93	18	20.	23.778	120.	5.	735.124	27.113	5.	5.	26.25	57.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/12/80-10/12/89	7	64.1	70.2	159.8	30.9	1807.89	42.519	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/07/83-03/10/93	6 ##	5.	4.667	10.	0.5	10.167	3.189	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/05/83-10/12/89	4	3.8	5.75	13.3	2.1	26.403	5.138	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/12/89-10/12/89	1	64700.	64700.	64700.	64700.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/14/82-02/13/85	11	430.	746.273	4600.	4.	1808706.218	1344.881	7.8	39.	430.	3980.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/14/82-02/13/85	11	2.633	2.296	3.663	0.602	0.745	0.863	0.754	1.591	2.633	3.565
31614	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			197.771								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/14/82-04/14/92	20	45.	97.1	390.	1.5	13348.989	115.538	1.5	5.25	165.	302.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/14/82-04/14/92	20	1.653	1.469	2.591	0.176	0.731	0.855	0.176	0.69	2.217	2.478
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			29.414								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/12/74-05/11/93	136 ##	50.	85.294	800.	50.	11930.283	109.226	50.	50.	50.	200.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/12/74-05/11/93	136 ##	1.699	1.804	2.903	1.699	0.067	0.259	1.699	1.699	1.699	2.301
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			63.682								
32240	TANNIN AND LIGNIN (MG/L)	05/12/92-12/08/92	7	0.6	0.629	0.9	0.4	0.029	0.17	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34480	THALLIUM DRY WGTBOTMG/KG	05/05/83-10/12/89	4 ##	2.825	3.338	6.7	1.	7.866	2.805	**	**	**	**
34671	PCB - 1016 TOTWUG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451	DICHLORPROP WATER,SUSPUG/L	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38745	2,4-DB WATER, TOTUG/L	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/26/79-07/14/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/10/85-07/30/92	2	10.	10.	10.	10.	0.	0.	**	**	**	**
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	8	0.	0.013	0.05	0.	0.001	0.023	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/21/81-07/30/92	4	0.	0.005	0.02	0.	0.	0.01	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/10/85-07/30/92	2	1000.	1000.	1000.	1000.	0.	0.	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-07/30/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-07/30/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-07/30/92	2	100.	100.	100.	100.	0.	0.	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/10/85-07/30/92	2	550.	550.	1000.	100.	405000.	636.396	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-07/30/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/10/85-07/30/92	2	1000.	1000.	1000.	1000.	0.	0.	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/10/85-07/30/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/10/85-07/30/92	2	1000.	1000.	1000.	1000.	0.	0.	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/27/82-07/07/83	2	0.	0.	0.	0.	0.	0.	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/21/81-05/25/84	4	0.	0.025	0.1	0.	0.003	0.05	**	**	**
39700	HEXACHLORO BENZENE IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CaCO3)	03/10/93-03/10/93	1	15.	15.	15.	15.	0.	0.	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	04/21/81-05/22/86	8	0.	0.019	0.15	0.	0.003	0.053	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/12/74-06/18/79	49 ##	0.05	0.056	0.2	0.05	0.001	0.024	0.05	0.05	0.05
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/74-06/15/93	64 ##	0.005	0.015	0.07	0.005	0.	0.017	0.005	0.005	0.01
71900	MERCURY, TOTAL (UG/L AS HG)	05/11/75-03/10/93	19 ##	0.15	0.193	0.8	0.025	0.024	0.155	0.15	0.15	0.25
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/21/81-10/12/89	6 ##	0.075	0.108	0.3	0.05	0.009	0.097	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
82032	CALCIUM - TOTAL UG/L (AS Ca)	03/10/93-03/10/93	1	2900.	2900.	2900.	2900.	0.	0.	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/12/92-04/06/93	11	12.4	19.145	64.	9.2	269.873	16.428	9.2	9.4	26.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0001

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----		-----3/16-6/30-----		-----7/01-9/30-----		-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	59	1	0.02	29	0.03	15	0	0.00	15	0	0.00
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	20	0	0.00	10	0	0.00	6	0	0.00	4	0
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	163	0	0.00	71	0	0.00	48	0	0.00	44	0
00400	PH	Other-Hi Lim.	9.	171	1	0.01	76	0.01	50	0	0.00	45	0	0.00
		Other-Lo Lim.	6.5	171	77	0.45	76	32	0.42	50	24	0.48	45	21
00403	PH, LAB	Other-Hi Lim.	9.	82	0	0.00	35	0	0.00	23	0	0.00	24	0
		Other-Lo Lim.	6.5	82	67	0.82	35	29	0.83	23	20	0.87	24	18
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	186	0	0.00	83	0	0.00	55	0	0.00	48	0
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	158	0	0.00	70	0	0.00	45	0	0.00	43	0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	27	0	0.00	12	0	0.00	10	0	0.00	5	0
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	56	0	0.00	27	0	0.00	13	0	0.00	16	0

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

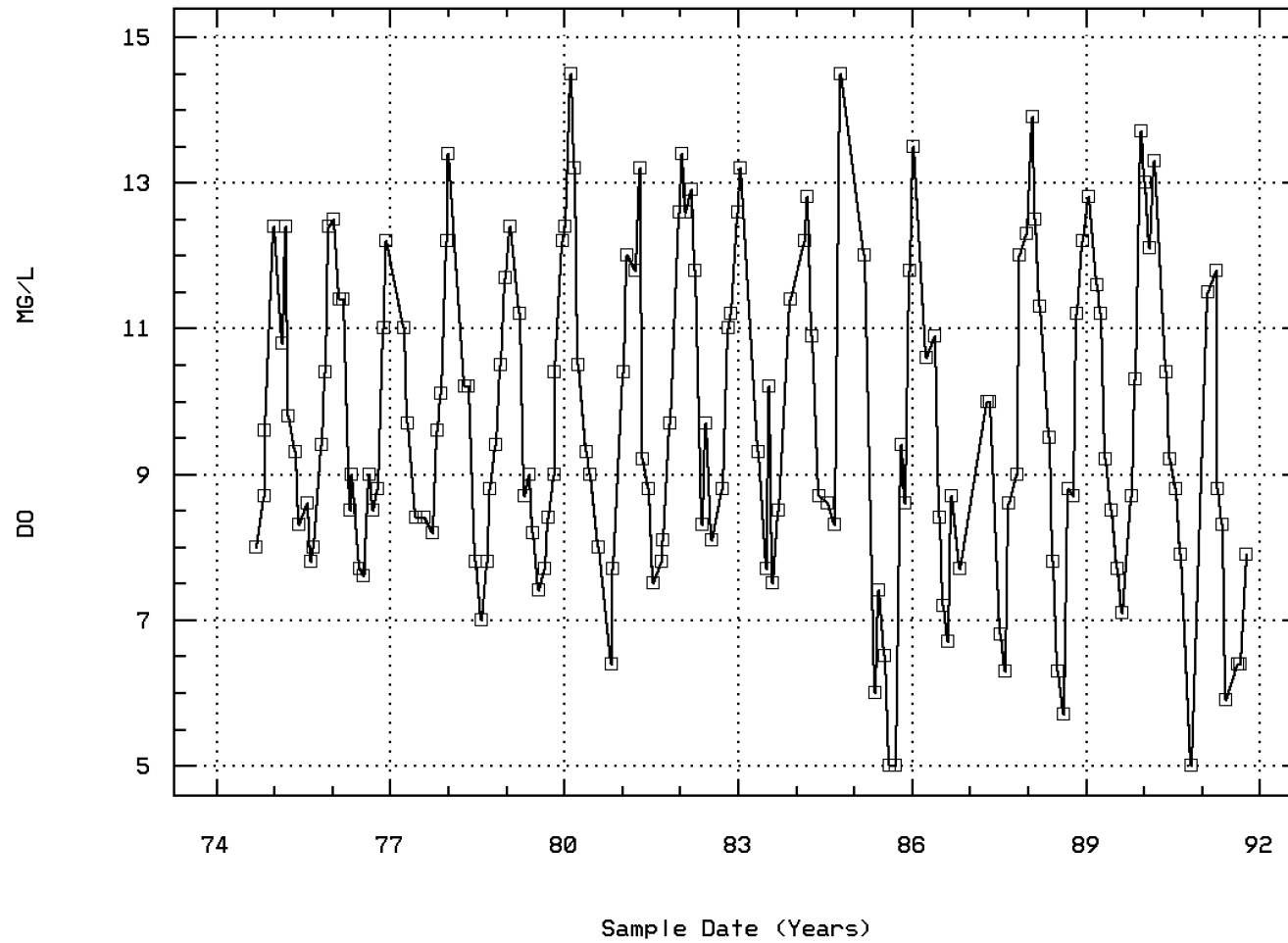
EPA Water Quality Criteria Analysis for Station: PRWI0001

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	47	0	0.00	23	0	0.00	13	0	0.00	11	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	19	0	0.00	8	0	0.00	4	0	0.00	7	0	0.00			
	Drinking Water	50.	19	0	0.00	8	0	0.00	4	0	0.00	7	0	0.00			
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	9 &	1	0.11	3	0	0.00				6	1	0.17			
	Drinking Water	5.	9 &	0	0.00	3	0	0.00				6	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	20	0	0.00	8	0	0.00	5	0	0.00	7	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	19 &	2	0.11	7	2	0.29	5	0	0.00	7	0	0.00			
	Drinking Water	1300.	20	0	0.00	8	0	0.00	5	0	0.00	7	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	20	0	0.00	8	0	0.00	5	0	0.00	7	0	0.00			
	Drinking Water	5.	15 &	5	0.33	4	3	0.75	4	1	0.25	7	1	0.14			
01059 THALLIUM, TOTAL	Fresh Acute	1400.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	2.	1 &	0	0.00							1	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	7	0	0.00	3	0	0.00	4	0	0.00						
	Drinking Water	100.	7	0	0.00	3	0	0.00	4	0	0.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00			
	Drinking Water	100.	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00			
01077 SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	2	0	0.00									
	Drinking Water	50.	2	0	0.00	2	0	0.00									
01092 ZINC, TOTAL	Fresh Acute	120.	18	1	0.06	6	0	0.00	5	0	0.00	7	1	0.14			
01147 SELENIUM, TOTAL	Fresh Acute	20.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	50.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
31506 COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	11	2	0.18	6	2	0.33	1	0	0.00	4	0	0.00			
31614 FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	20	4	0.20	10	4	0.40	4	0	0.00	6	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	136	14	0.10	61	3	0.05	40	3	0.08	35	8	0.23			
34356 ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	2	0	0.00							2	0	0.00			
34361 ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	2	0	0.00							2	0	0.00			
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
	Drinking Water	1.	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	8	0	0.00	1	0	0.00	1	0	0.00	6	0	0.00			
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	2	0	0.00							2	0	0.00			
	Drinking Water	0.2	2	0	0.00							2	0	0.00			
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
	Drinking Water	2.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
	Drinking Water	0.2	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	2	0	0.00							2	0	0.00			
	Drinking Water	3.	2	0	0.00							2	0	0.00			
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00							2	0	0.00			
	Drinking Water	0.4	2	0	0.00							2	0	0.00			
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00							2	0	0.00			
	Drinking Water	0.2	2	0	0.00							2	0	0.00			
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	2	0	0.00							2	0	0.00			
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	2	0	0.00							2	0	0.00			
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	2	0	0.00							2	0	0.00			
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	8	1	0.13	3	0	0.00	5	1	0.20						
71900 MERCURY, TOTAL	Fresh Acute	2.4	19	0	0.00	7	0	0.00	5	0	0.00	7	0	0.00			
	Drinking Water	2.	19	0	0.00	7	0	0.00	5	0	0.00	7	0	0.00			
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	11	1	0.09	5	1	0.20	3	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station: PRWI0001 Parameter Code: 00300

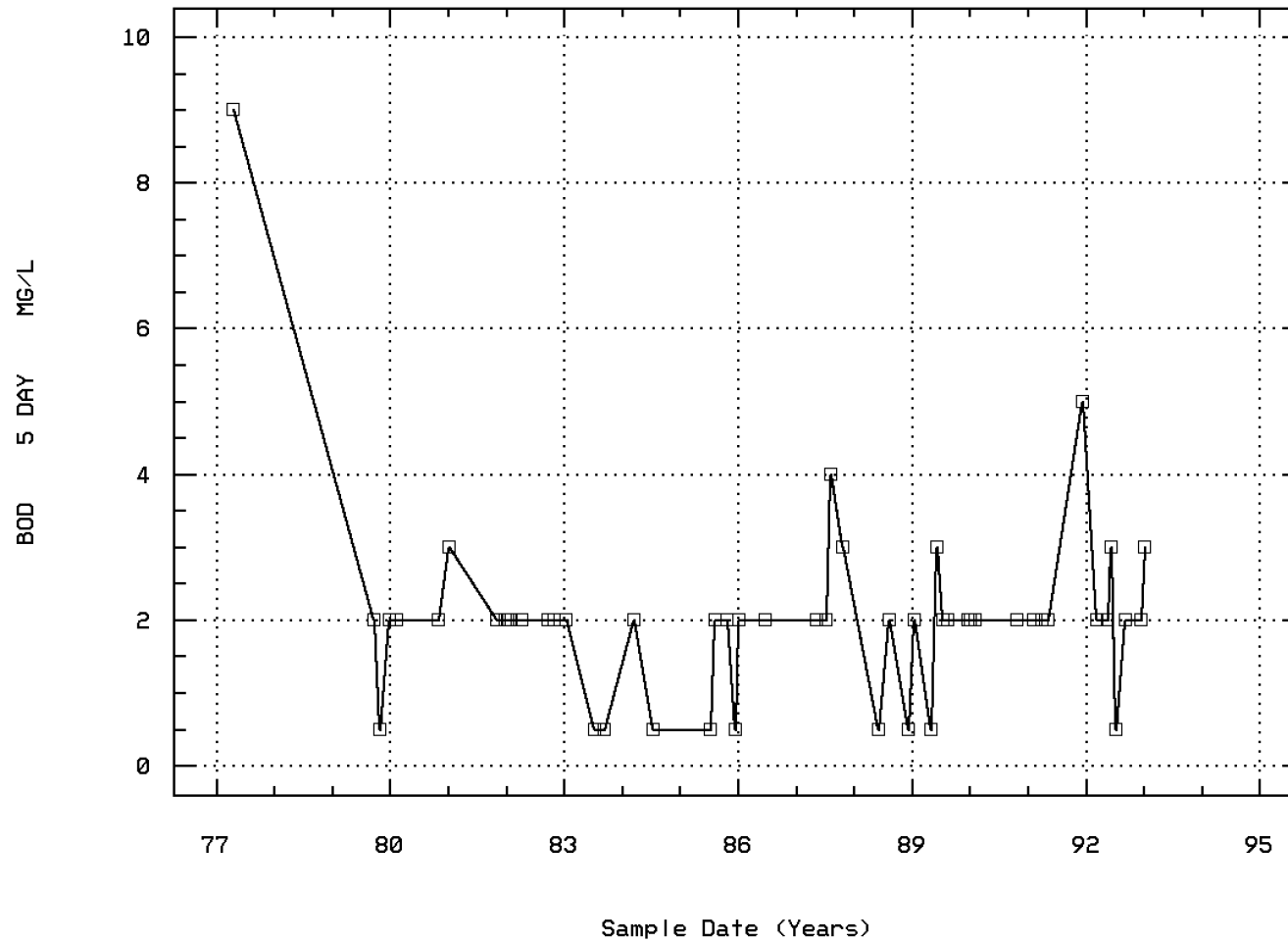
OXYGEN, DISSOLVED



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00310

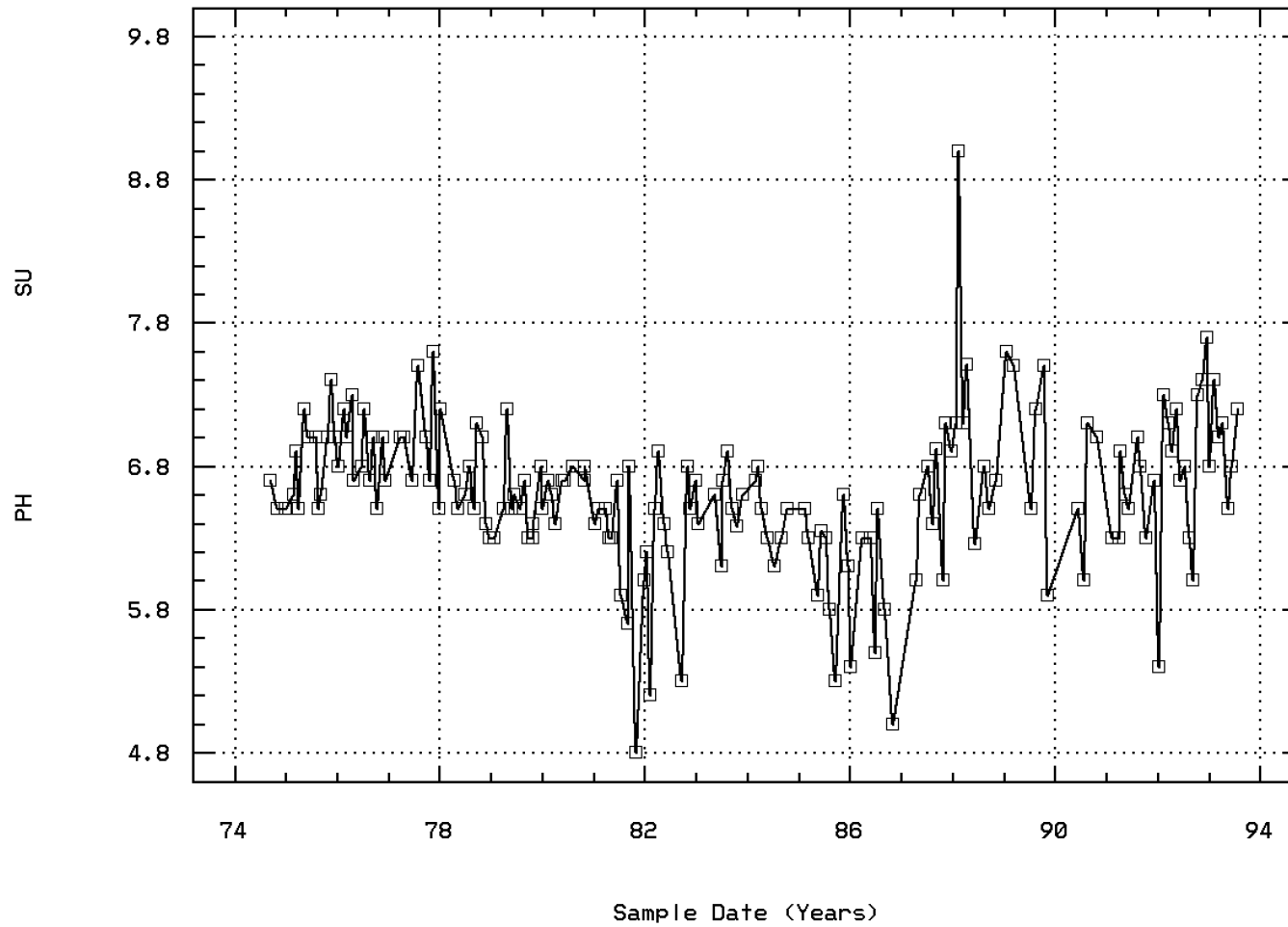
BOD, 5 DAY, 20 DEG C



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00400

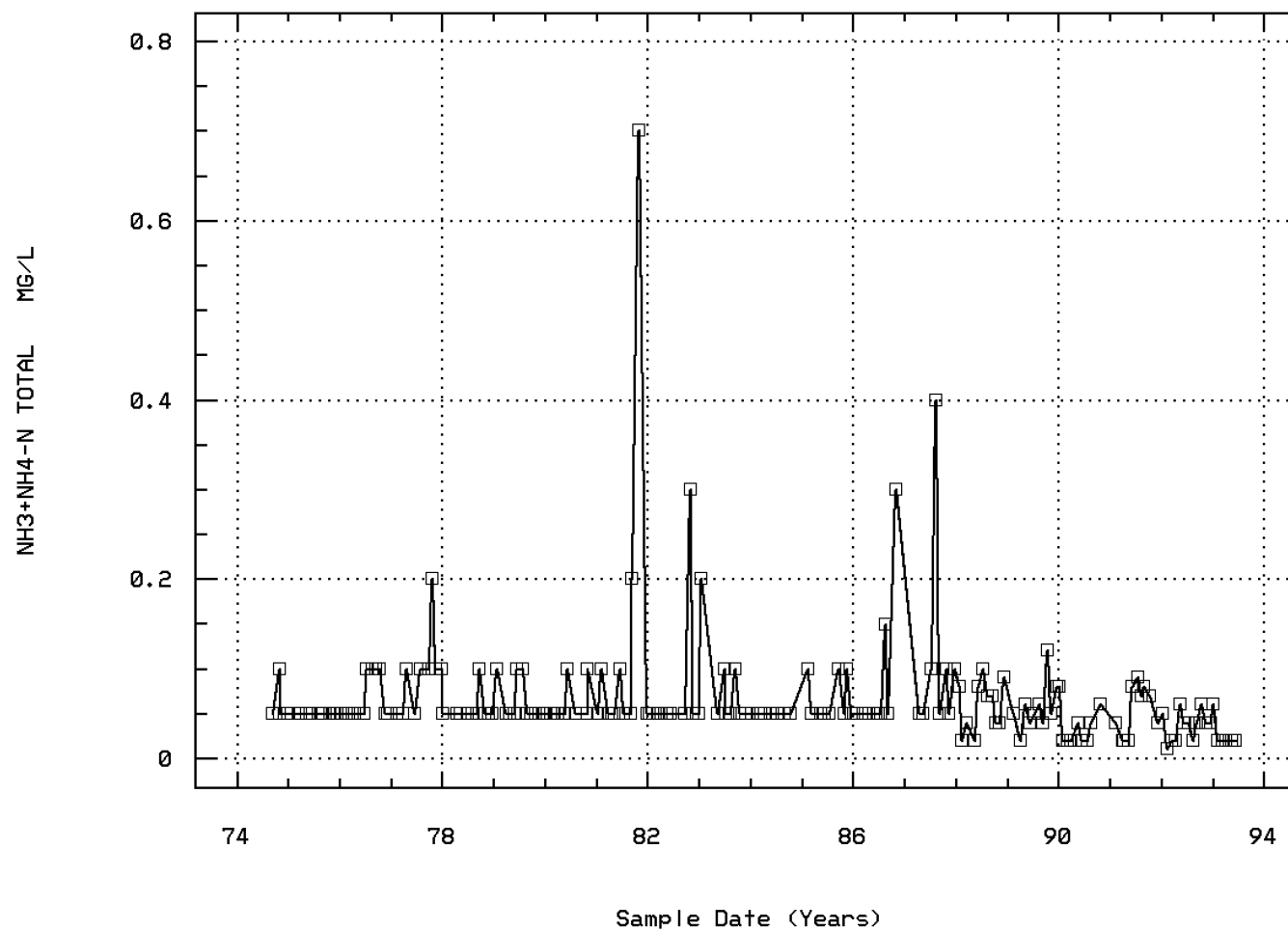
PH (STANDARD UNITS)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Station: PRWI0001 Parameter Code: 00610

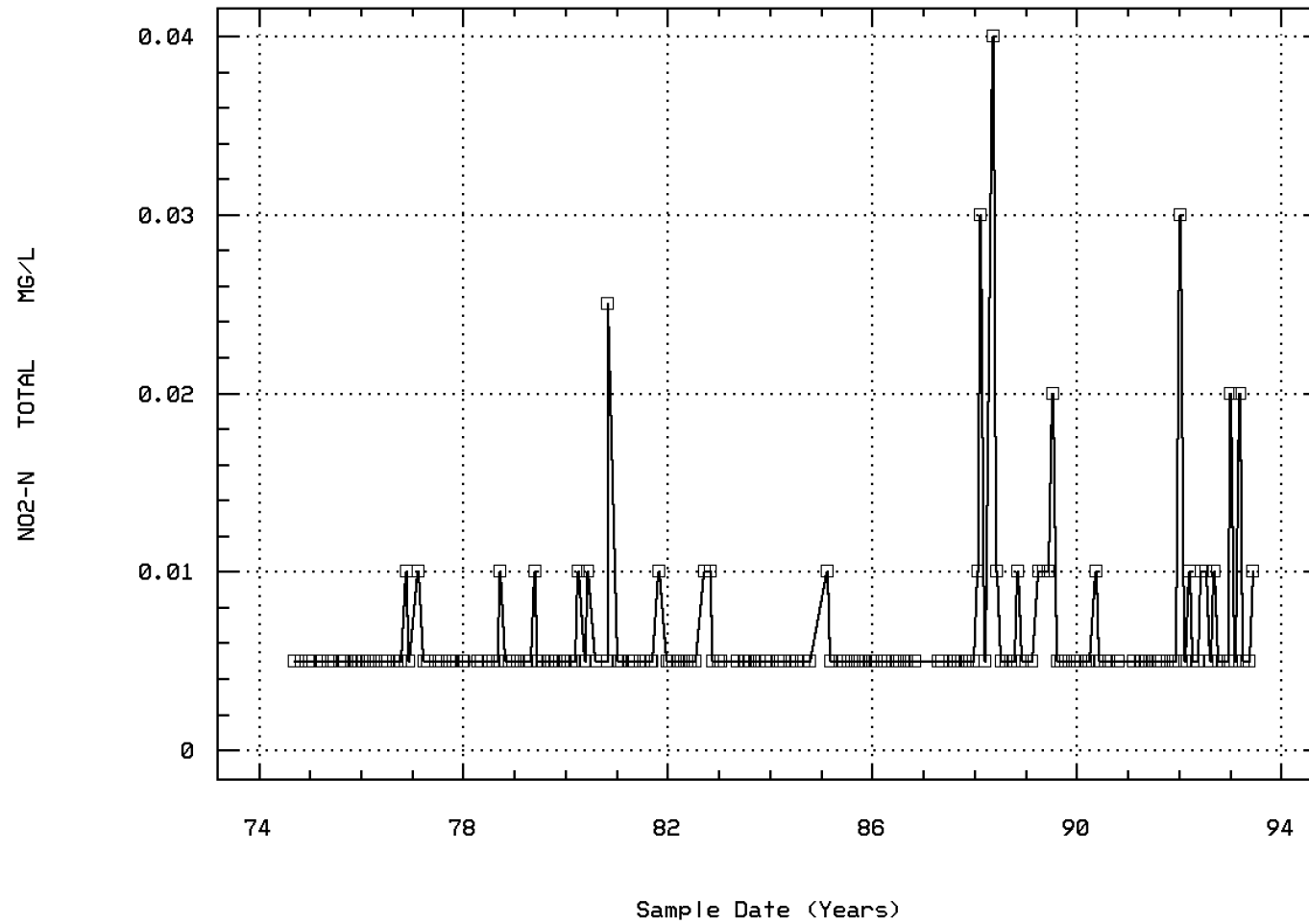
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00615

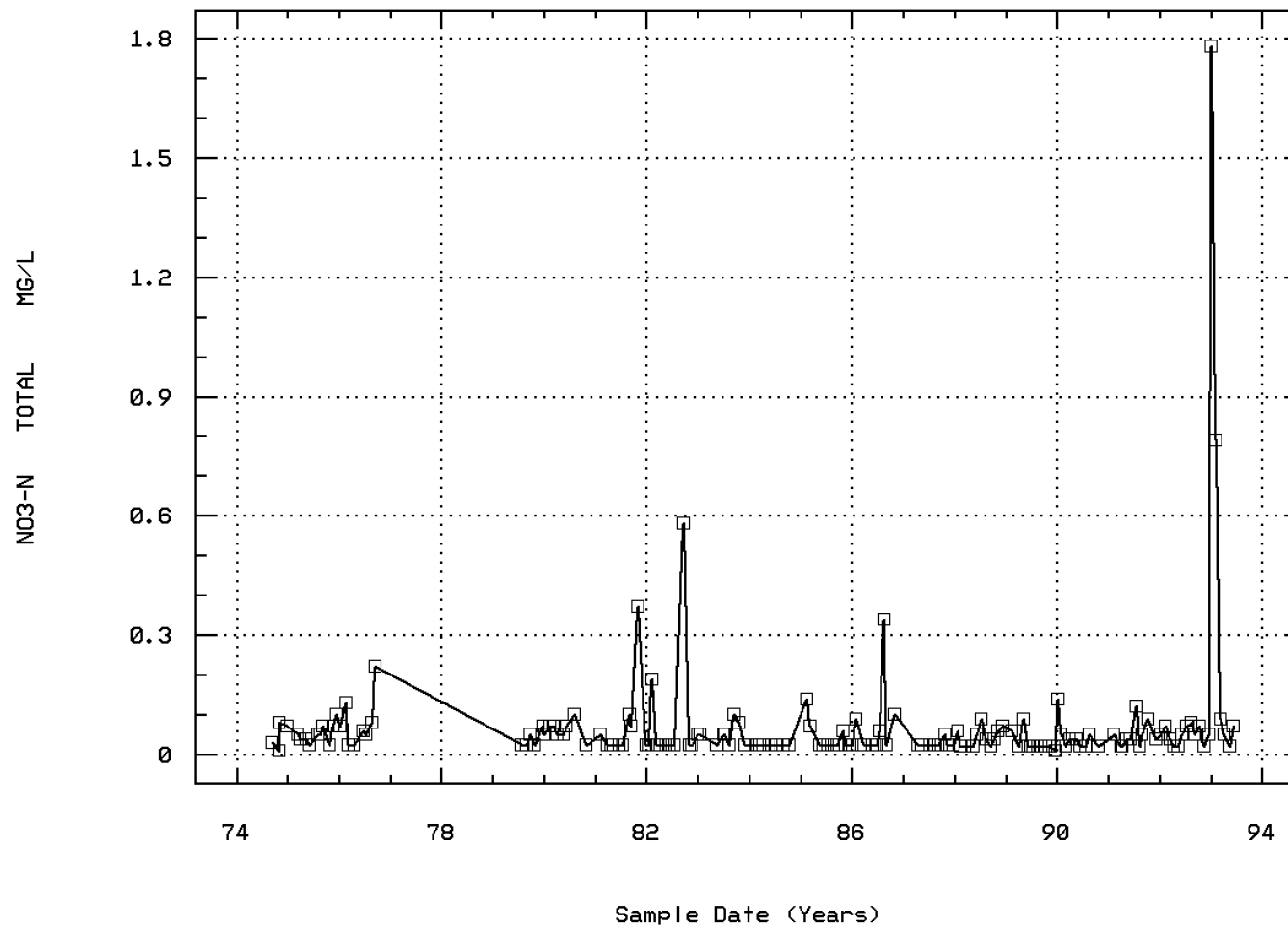
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00620

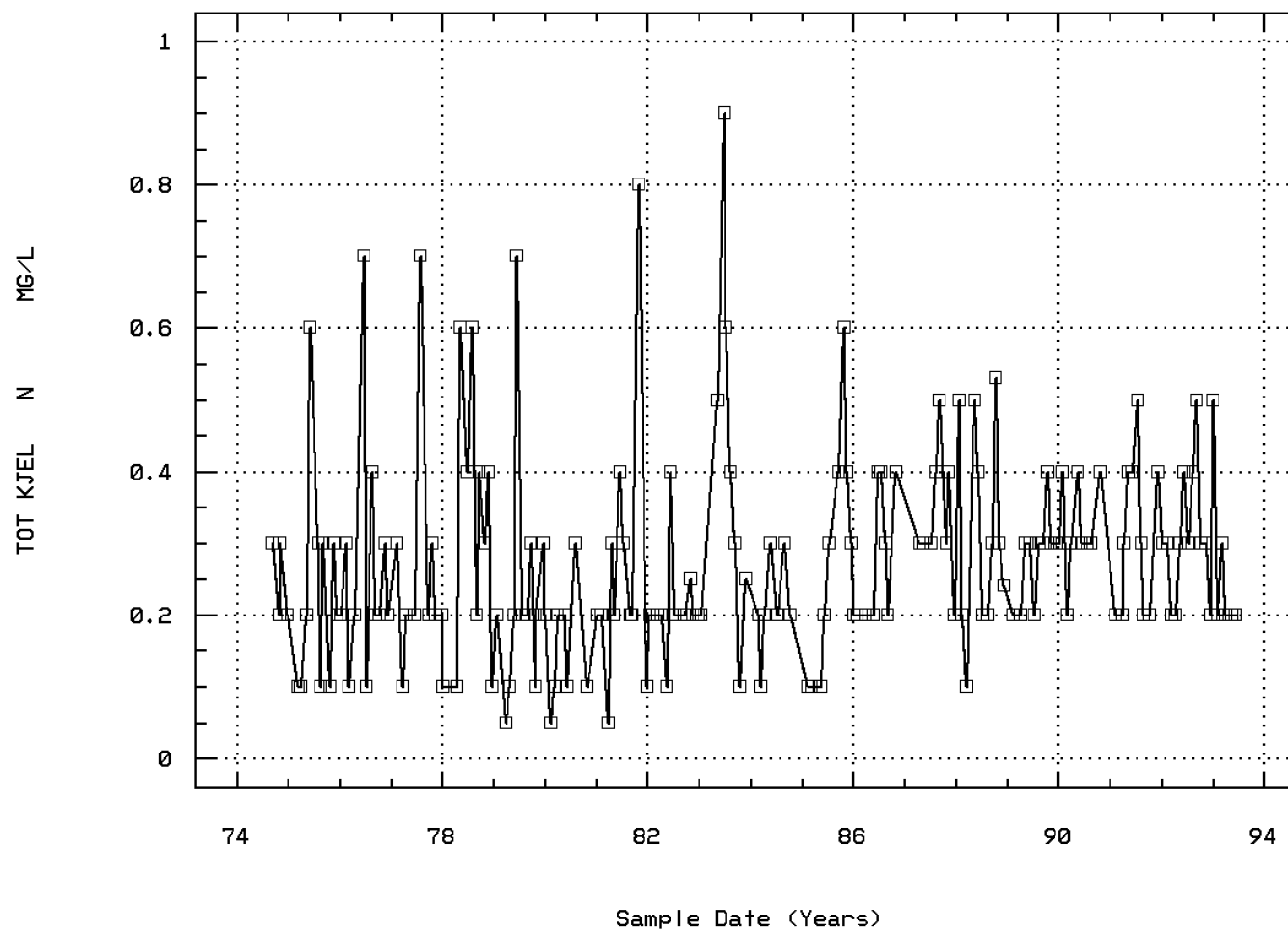
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00625

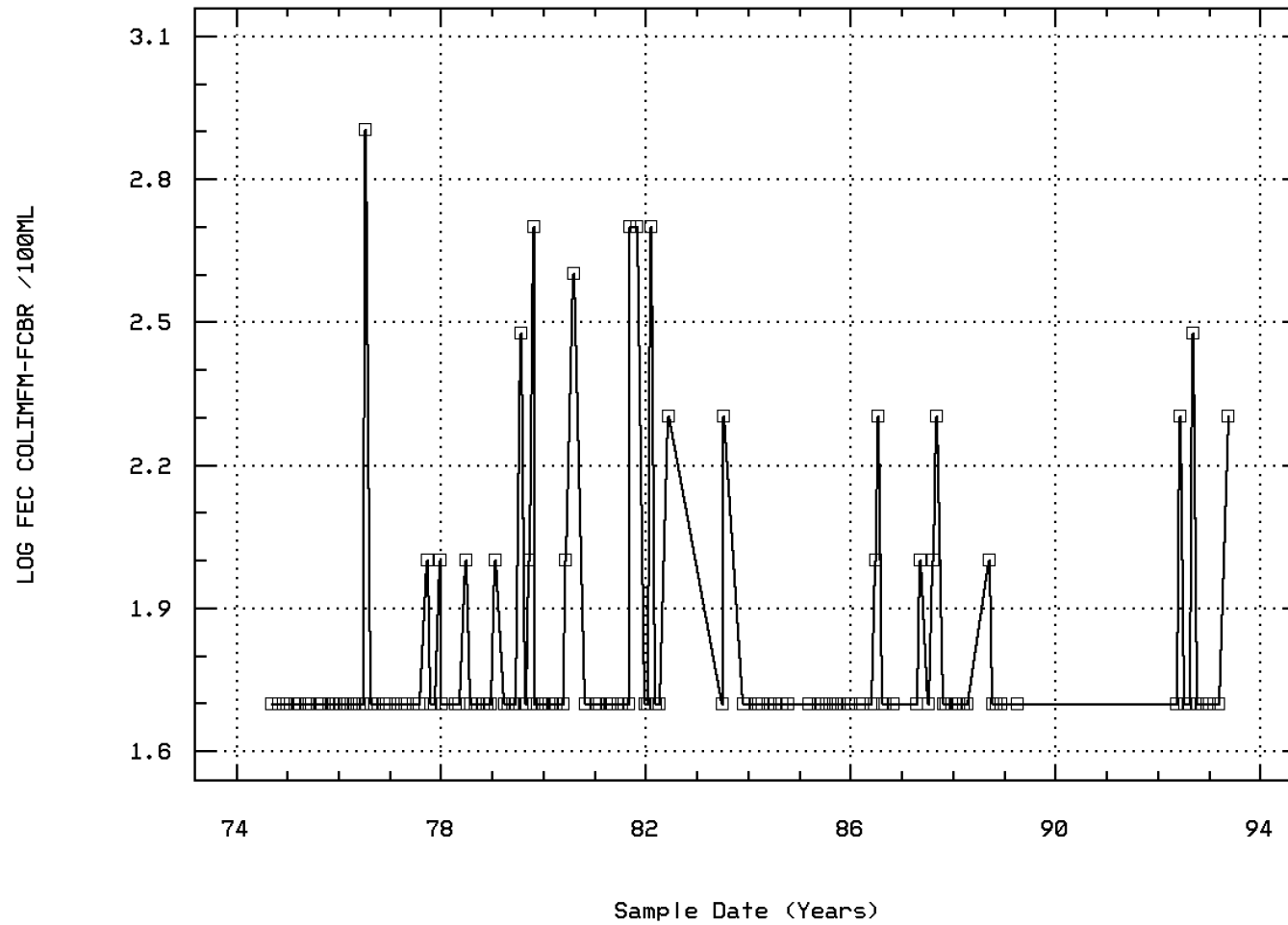
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 31616

LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Annual Analysis for 1974 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	3	13.9	15.767	21.7	11.7	27.613	5.255	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	3	8.7	8.767	9.6	8.	0.643	0.802	**	**	**	**
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	3	6.5	6.567	6.7	6.5	0.013	0.115	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	3	6.5	6.557	6.7	6.5	0.013	0.116	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	3	0.316	0.277	0.316	0.2	0.005	0.067	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	3	0.03	0.04	0.08	0.01	0.001	0.036	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	3	0.3	0.267	0.3	0.2	0.003	0.058	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	3 ##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	3 ##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
70505p	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	09/12/74-06/18/79	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/74-06/15/93	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	12	13.6	14.442	26.	3.9	68.337	8.267	4.23	5.55	23.2	25.88
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	12	9.6	9.967	12.4	7.8	2.968	1.723	7.86	8.375	12.	12.48
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	12	6.95	6.85	7.4	6.5	0.092	0.303	6.5	6.525	7.	7.34
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	12	6.947	6.761	7.4	6.5	0.1	0.317	6.5	6.525	7.	7.34
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	12	0.113	0.173	0.316	0.04	0.012	0.108	0.047	0.1	0.3	0.316
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	11 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	11 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	11	0.05	0.054	0.1	0.025	0.001	0.022	0.025	0.04	0.07	0.094
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	11	0.2	0.227	0.6	0.1	0.022	0.149	0.1	0.1	0.3	0.54
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	12 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	12 ##	1.699	1.699	1.699	1.699	0.	0.	1.699	1.699	1.699	1.699
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	12 ##	1.699	1.699	1.699	1.699	0.	0.	1.699	1.699	1.699	1.699
70505p	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	09/12/74-06/18/79	11 ##	0.05	0.055	0.1	0.05	0.	0.015	0.05	0.05	0.05	0.09
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/74-06/15/93	11 ##	0.05	0.031	0.05	0.005	0.	0.022	0.005	0.005	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	12	18.05	16.25	27.8	3.9	61.379	7.834	4.23	8.625	22.9	26.45
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	12	9.	9.8	12.5	7.6	3.138	1.771	7.63	8.5	11.4	12.41
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	12	6.9	6.908	7.3	6.5	0.061	0.247	6.56	6.7	7.15	7.27
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	12	6.889	6.847	7.3	6.5	0.065	0.255	6.56	6.7	7.15	7.27
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	12	0.129	0.142	0.316	0.05	0.006	0.078	0.054	0.072	0.2	0.281
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	11 ##	0.05	0.068	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	11 ##	0.005	0.005	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.009
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	8	0.065	0.083	0.22	0.025	0.004	0.065	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	11	0.2	0.264	0.7	0.1	0.029	0.169	0.1	0.2	0.3	0.64
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	12 ##	50.	112.5	800.	50.	46875.	216.506	50.	50.	50.	575.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	12 ##	1.699	1.799	2.903	1.699	0.121	0.348	1.699	1.699	1.699	2.542
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			62.996								
70505p	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	09/12/74-06/18/79	11 ##	0.05	0.064	0.2	0.05	0.002	0.045	0.05	0.05	0.05	0.17
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/74-06/15/93	11	0.01	0.008	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	8	13.75	12.675	25.	0.6	115.288	10.737	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	8	9.65	9.7	12.2	8.2	1.963	1.401	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	8	7.	7.	7.6	6.5	0.149	0.385	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	8	7.	6.873	7.6	6.5	0.167	0.409	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	8	0.1	0.134	0.316	0.025	0.01	0.098	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	9	0.1	0.094	0.2	0.05	0.002	0.046	0.05	0.05	0.1	0.2
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	9##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	9	0.2	0.267	0.7	0.1	0.03	0.173	0.1	0.2	0.3	0.7
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	9##	50.	61.111	100.	50.	486.111	22.048	50.	50.	75.	100.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	9##	1.699	1.766	2.	1.699	0.018	0.133	1.699	1.699	1.849	2.
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			58.326								
70505p	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	09/12/74-06/18/79	9##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/74-06/15/93	9##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01

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Annual Analysis for 1978 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	10	11.75	12.17	27.	0.	122.5	11.068	0.03	0.525	25.	26.8
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	10	9.8	9.68	13.4	7.	3.804	1.95	7.08	7.8	10.8	13.23
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	10	6.65	6.71	7.2	6.3	0.094	0.307	6.31	6.475	7.025	7.19
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	10	6.647	6.623	7.2	6.3	0.103	0.321	6.31	6.475	7.025	7.19
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	10	0.225	0.238	0.501	0.063	0.021	0.145	0.065	0.095	0.337	0.491
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	10 ##	0.05	0.055	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.095
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	10 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	10	0.35	0.32	0.6	0.1	0.037	0.193	0.1	0.1	0.45	0.6
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	10 ##	50.	55.	100.	50.	250.	15.811	50.	50.	50.	95.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	10 ##	1.699	1.729	2.	1.699	0.009	0.095	1.699	1.699	1.699	1.97
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			53.589								
70505p	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	09/12/74-06/18/79	10 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/74-06/15/93	10 ##	0.008	0.009	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.019

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Annual Analysis for 1979 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	11	19.5	16.127	24.2	3.2	59.24	7.697	3.36	9.	23.	24.16
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	6	67.5	71.667	104.	59.	283.467	16.836	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	11	9.	9.509	12.4	7.4	3.109	1.763	7.46	8.2	11.2	12.36
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	6	1.	1.25	2.	0.5	0.375	0.612	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	5	12.	12.8	18.	8.	17.2	4.147	**	**	**	**
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	11	6.5	6.555	7.2	6.3	0.073	0.27	6.3	6.3	6.7	7.12
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	11	6.5	6.495	7.2	6.3	0.077	0.277	6.3	6.3	6.7	7.12
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	11	0.316	0.32	0.501	0.063	0.022	0.147	0.082	0.2	0.501	0.501
00500p	RESIDUE, TOTAL (MG/L)	07/17/79-04/06/93	5	66.	174.6	600.	65.	56571.8	237.848	**	**	**	**
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	07/17/79-04/06/93	5	22.	115.6	500.	8.	46225.3	215.001	**	**	**	**
00510p	RESIDUE, TOTAL FIXED (MG/L)	07/17/79-04/06/93	5	54.	59.	100.	39.	583.	24.145	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	6	7.	8.417	16.	2.5	23.442	4.842	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	6	3.5	3.25	5.	0.	3.575	1.891	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	6	5.5	5.583	11.	2.	10.842	3.293	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	11 ##	0.05	0.064	0.1	0.05	0.001	0.023	0.05	0.05	0.1	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	11 ##	0.005	0.005	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.009

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Annual Analysis for 1979 - Station PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	6 ##	0.025	0.037	0.07	0.025	0.	0.019	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	11	0.2	0.232	0.7	0.05	0.03	0.174	0.06	0.1	0.3
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	6 ##	0.05	0.058	0.1	0.05	0.	0.02	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	6	0.01	0.01	0.02	0.005	0.	0.005	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	6	6.5	7.333	11.	6.	3.867	1.966	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	11 ##	50.	122.727	500.	50.	21181.818	145.54	50.	50.	100.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	11 ##	1.699	1.915	2.699	1.699	0.127	0.357	1.699	1.699	2.
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			82.291							460.
70505p	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	09/12/74-06/18/79	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/74-06/15/93	5	0.01	0.008	0.01	0.005	0.	0.003	**	**	**

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Annual Analysis for 1980 - Station PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	9	13.5	12.033	25.	2.5	61.595	7.848	2.5	3.15	17.85
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	9	85.	85.778	108.	65.	203.194	14.255	65.	74.	97.
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	9	9.3	10.111	14.5	6.4	7.516	2.742	6.4	7.85	12.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	9	1.	1.222	2.	1.	0.194	0.441	1.	1.	1.5
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	9	6.	6.556	13.	3.	8.778	2.963	3.	4.5	8.
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	9	6.7	6.656	6.8	6.4	0.018	0.133	6.4	6.55	6.75
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	9	6.7	6.636	6.8	6.4	0.018	0.135	6.4	6.55	6.75
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	9	0.2	0.231	0.398	0.158	0.006	0.079	0.158	0.179	0.284
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	9	13.	13.389	28.	2.5	62.861	7.928	2.5	7.	19.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	9	5.	5.167	10.	2.	8.25	2.872	2.	2.75	8.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	9	6.	8.5	20.	2.5	32.25	5.679	2.5	4.	12.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	9 ##	0.05	0.061	0.1	0.05	0.	0.022	0.05	0.05	0.075
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	9 ##	0.005	0.008	0.025	0.005	0.	0.007	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	9	0.05	0.057	0.1	0.025	0.001	0.024	0.025	0.038	0.07
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	9	0.1	0.15	0.3	0.05	0.006	0.079	0.05	0.1	0.2
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	9 ##	0.05	0.078	0.2	0.05	0.003	0.051	0.05	0.05	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	9	0.01	0.008	0.01	0.005	0.	0.003	0.005	0.005	0.01
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	9	6.	6.444	7.	6.	0.278	0.527	6.	6.	7.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	9 ##	50.	94.444	400.	50.	13402.778	115.77	50.	50.	75.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	9 ##	1.699	1.833	2.602	1.699	0.093	0.305	1.699	1.699	1.849
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			68.04							2.602

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Annual Analysis for 1981 - Station PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	11	15.7	13.7	24.1	0.3	83.594	9.143	0.44	4.1	22.8
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	11	153.	246.545	1128.	82.	90145.473	300.242	88.4	121.	163.
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	11	9.7	10.1	13.2	7.5	4.116	2.029	7.56	8.1	12.
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	11	1.	1.364	3.	1.	0.455	0.674	1.	1.	2.
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	11	7.	10.364	30.	4.	53.055	7.284	4.4	6.	13.
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	11	6.3	6.173	6.8	4.8	0.318	0.564	4.98	5.9	6.5
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	11	6.3	5.689	6.8	4.8	0.575	0.758	4.98	5.9	6.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	11	0.501	2.045	15.849	0.158	21.268	4.612	0.167	0.316	1.259
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	11	16.	56.5	442.	2.5	16594.85	128.821	3.2	7.	31.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	11	4.	7.591	36.	1.	98.741	9.937	1.2	2.5	6.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	11	12.	49.136	406.	2.5	14224.205	119.265	2.6	4.	18.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	11 ##	0.05	0.132	0.7	0.05	0.038	0.194	0.05	0.05	0.1

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Annual Analysis for 1981 - Station PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	11 ##	0.005	0.005	0.01	0.005	0.	0.002	0.005	0.005	0.005
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	10 ##	0.025	0.074	0.37	0.025	0.011	0.107	0.025	0.078	0.343
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	11	0.2	0.268	0.8	0.05	0.04	0.2	0.06	0.2	0.72
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	11 ##	0.05	0.055	0.1	0.05	0.	0.015	0.05	0.05	0.09
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	11	0.01	0.01	0.02	0.005	0.	0.005	0.005	0.01	0.02
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	11	6.	6.091	11.	2.	7.691	2.773	2.4	7.	11.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	11 ##	50.	131.818	500.	50.	33136.364	182.034	50.	50.	500.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	11 ##	1.699	1.881	2.699	1.699	0.164	0.405	1.699	1.699	2.699
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			75.996							

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Annual Analysis for 1982 - Station PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	9	9.	10.533	25.2	0.	78.433	8.856	0.	3.75	19.65
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	10	93.5	223.1	1210.	59.	122701.211	350.287	60.5	80.75	178.5
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	11	11.2	10.945	13.4	8.1	3.737	1.933	8.14	8.8	12.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	11	1.	1.455	2.	1.	0.273	0.522	1.	1.	2.
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	11	11.	12.636	26.	6.	28.455	5.334	6.4	9.	15.
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	10	6.45	6.27	6.9	5.2	0.342	0.585	5.21	5.975	6.725
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	10	6.447	5.851	6.9	5.2	0.538	0.733	5.21	5.975	6.725
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	10	0.357	1.41	6.31	0.126	5.143	2.268	0.129	0.189	1.726
00403p	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	5	6.5	6.26	6.7	5.1	0.448	0.669	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	5	6.5	5.737	6.7	5.1	0.79	0.889	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	5	0.316	1.832	7.943	0.2	11.687	3.419	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	5	11.	10.6	14.	4.	16.8	4.099	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	11	13.	24.727	104.	2.5	884.368	29.738	2.5	8.	33.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	10	4.	5.8	16.	2.	21.456	4.632	2.	2.375	8.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	11	8.	19.182	93.	2.5	698.114	26.422	2.5	5.	26.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	10 ##	0.05	0.075	0.3	0.05	0.006	0.079	0.05	0.05	0.05
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	11 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	11 ##	0.025	0.093	0.58	0.025	0.029	0.169	0.025	0.05	0.502
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	11	0.2	0.214	0.4	0.1	0.005	0.071	0.12	0.2	0.37
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	11 ##	0.05	0.059	0.1	0.05	0.	0.02	0.05	0.05	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	11	0.01	0.011	0.03	0.005	0.	0.007	0.005	0.005	0.01
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	11	3.	3.455	8.	1.	5.473	2.339	1.	4.	7.8
00940p	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	5	6.	7.	14.	3.	17.5	4.183	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	5 ##	50.	170.	500.	50.	38250.	195.576	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	5 ##	1.699	2.019	2.699	1.699	0.212	0.461	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			104.564							

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Annual Analysis for 1983 - Station PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	8	19.7	16.838	28.8	2.	71.146	8.435	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	8	95.	101.875	157.	61.	1116.125	33.408	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	7	9.3	9.686	13.2	7.5	4.305	2.075	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	8	1.	1.	2.	0.5	0.214	0.463	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	8	8.5	10.75	23.	5.	41.643	6.453	**	**	**
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	8	6.55	6.523	6.9	6.1	0.057	0.239	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	8	6.547	6.463	6.9	6.1	0.061	0.247	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	8	0.284	0.344	0.794	0.126	0.042	0.206	**	**	**

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Annual Analysis for 1983 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	7	6.3	6.386	6.8	6.1	0.085	0.291	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	7	6.3	6.317	6.8	6.1	0.09	0.301	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	7	0.501	0.482	0.794	0.158	0.059	0.242	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	7	10.	10.857	18.	7.	15.143	3.891	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	8	5.5	10.375	40.	2.5	156.768	12.521	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	8	3.25	4.875	15.	1.	21.196	4.604	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	8	4.	6.125	25.	1.	60.339	7.768	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	8 ##	0.05	0.081	0.2	0.05	0.003	0.053	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	8 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	8	0.05	0.051	0.1	0.025	0.001	0.027	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	8	0.35	0.406	0.9	0.1	0.066	0.257	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	8	0.01	0.01	0.02	0.005	0.	0.005	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	8	4.	4.875	10.	3.	5.268	2.295	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	5	6.	5.2	6.	4.	1.2	1.095	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	3 ##	50.	100.	200.	50.	7500.	86.603	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	3 ##	1.699	1.9	2.301	1.699	0.121	0.348	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			79.37								

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Annual Analysis for 1984 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	7	14.5	14.443	22.9	4.2	65.896	8.118	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	7	61.	73.	119.	52.	538.333	23.202	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	7	10.9	10.857	14.5	8.3	5.856	2.42	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	7	1.	1.071	2.	0.5	0.202	0.45	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	7	7.	9.286	30.	3.	86.571	9.304	**	**	**	**
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	7	6.5	6.457	6.8	6.1	0.06	0.244	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	7	6.5	6.4	6.8	6.1	0.063	0.252	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	7	0.316	0.398	0.794	0.158	0.048	0.219	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	7	13.	12.857	20.	9.	15.81	3.976	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	7	6.	6.714	17.	3.	22.905	4.786	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	7	6.	6.143	11.	3.	8.81	2.968	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	7##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	7##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	7##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	7	0.2	0.214	0.3	0.1	0.005	0.069	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	7##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	7	0.01	0.01	0.02	0.005	0.	0.005	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	7	5.	5.	8.	3.	1.732		**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	7##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	7##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			50.								

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Annual Analysis for 1985 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	10	17.3	15.	23.	3.	61.202	7.823	3.2	5.75	22.45	22.99
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	10	88.5	95.7	176.	56.	1102.9	33.21	57.2	71.	106.75	169.3
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	9	7.4	7.967	12.	5.	7.17	2.678	5.	5.5	10.6	12.
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	10	1.	1.1	2.	0.5	0.267	0.516	0.5	0.875	1.25	2.

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Annual Analysis for 1985 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	10	8.5	9.8	18.	6.	15.956	3.994	6.	6.75	12.75	17.7
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	9	6.3	6.128	6.6	5.3	0.164	0.406	5.3	5.85	6.425	6.6
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	9	6.3	5.926	6.6	5.3	0.21	0.458	5.3	5.85	6.425	6.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	9	0.501	1.185	5.012	0.251	2.259	1.503	0.251	0.381	1.422	5.012
00403p	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	10	8.	16.75	59.	2.5	391.069	19.775	2.75	5.75	22.5	57.9
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	10	4.	5.85	13.	2.5	11.114	3.334	2.55	3.75	8.25	12.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	10	3.5	11.15	46.	1.	286.447	16.925	1.1	2.	15.25	45.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	9 ##	0.05	0.067	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	9 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	9 ##	0.025	0.047	0.14	0.025	0.002	0.039	0.025	0.025	0.065	0.14
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	9	0.3	0.278	0.6	0.1	0.029	0.172	0.1	0.1	0.4	0.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	9 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	9	0.01	0.014	0.05	0.005	0.	0.015	0.005	0.005	0.02	0.05
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	10	5.5	5.2	8.	1.	6.622	2.573	1.	3.25	7.25	8.
00945p	SULFATE, TOTAL (MG/L AS SO4)	08/06/85-04/06/93	2	30.	30.	38.	22.	128.	11.314	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	8 ##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			50.								

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Annual Analysis for 1986 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	9	17.	15.6	28.	3.	73.617	8.58	3.	7.75	22.35	28.
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	9	90.	100.444	173.	74.	963.778	31.045	74.	83.5	110.	173.
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	8	8.55	9.213	13.5	6.7	5.247	2.291	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	9	1.	1.222	2.	1.	0.194	0.441	1.	1.	1.5	2.
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	9	9.	8.778	13.	4.	9.444	3.073	4.	6.5	11.5	13.
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	7	5.8	5.829	6.5	5.	0.312	0.559	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	7	5.8	5.543	6.5	5.	0.407	0.638	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	7	1.585	2.864	10.	0.316	11.925	3.453	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	7	6.3	6.314	7.3	5.5	0.285	0.534	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	7	6.3	6.072	7.3	5.5	0.353	0.595	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	7	0.501	0.848	3.162	0.05	1.095	1.046	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	7	8.	44.429	271.	2.	9990.952	99.955	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	9##	2.5	7.944	24.	2.5	70.528	8.398	2.5	2.5	15.	24.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	9##	2.5	4.056	9.	2.5	5.153	2.27	2.5	2.5	5.5	9.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	9##	2.5	5.278	18.	1.	31.444	5.608	1.	2.5	8.	18.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	9##	0.05	0.089	0.3	0.05	0.007	0.086	0.05	0.05	0.1	0.3
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	9##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	9##	0.025	0.079	0.34	0.025	0.01	0.102	0.025	0.025	0.095	0.34
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	9	0.2	0.278	0.4	0.2	0.009	0.097	0.2	0.2	0.4	0.4
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	9##	0.04	0.035	0.1	0.005	0.001	0.032	0.005	0.005	0.05	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	9##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	9	5.	5.111	6.	4.	0.361	0.601	4.	5.	5.5	6.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	8##	50.	75.	200.	50.	2857.143	53.452	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	8##	1.699	1.812	2.301	1.699	0.05	0.224	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			64.842								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	8	14.1	16.425	28.7	6.5	61.551	7.845	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	8	94.5	93.625	147.	61.	715.982	26.758	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	8	9.5	9.375	12.3	6.3	4.722	2.173	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	8	1.5	1.875	4.	1.	1.268	1.126	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	8	15.	15.125	35.	1.	110.411	10.508	**	**	**	**
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	8	6.7	6.59	7.1	6.	0.177	0.421	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	8	6.689	6.407	7.1	6.	0.216	0.464	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	8	0.205	0.392	1.	0.079	0.151	0.388	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	8	6.35	6.338	6.5	6.1	0.026	0.16	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	8	6.347	6.312	6.5	6.1	0.026	0.162	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	8	0.45	0.488	0.794	0.316	0.033	0.182	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	8	7.5	9.375	15.	6.	13.411	3.662	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	8###	3.75	13.25	63.	2.5	436.643	20.896	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	8###	2.75	4.375	9.	2.5	7.268	2.696	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	8###	2.5	10.438	54.	2.5	318.96	17.859	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	8###	0.075	0.113	0.4	0.05	0.014	0.119	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	8###	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	8###	0.025	0.028	0.05	0.025	0.	0.009	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	8	0.3	0.338	0.5	0.2	0.008	0.092	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	8###	0.05	0.056	0.1	0.05	0.	0.018	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	8	0.01	0.009	0.02	0.005	0.	0.005	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	5	6.	5.4	7.	4.	1.8	1.342	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	6	25.	27.833	52.	0.	409.767	20.243	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	8###	50.	81.25	200.	50.	2812.5	53.033	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	8###	1.699	1.849	2.301	1.699	0.052	0.228	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			70.711								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	12	15.8	14.667	28.	0.8	78.508	8.86	1.76	5.85	21.925	26.89
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	11	87.	86.727	117.	65.	263.818	16.242	65.2	75.	97.	115.4
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	11	9.5	9.809	13.9	5.7	6.943	2.635	5.82	7.8	12.2	13.62
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	11	1.	1.	2.	0.5	0.15	0.387	0.5	1.	1.	1.8
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	11	8.	10.364	19.	4.	20.455	4.523	4.6	7.	15.	18.2
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	8	6.95	7.121	9.	6.26	0.727	0.853	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	8	6.925	6.752	9.	6.26	0.883	0.939	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	8	0.119	0.177	0.55	0.001	0.033	0.181	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	11	6.3	6.3	6.7	6.	0.062	0.249	6.	6.1	6.6	6.68
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	11	6.3	6.241	6.7	6.	0.066	0.257	6.	6.1	6.6	6.68
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	11	0.501	0.575	1.	0.2	0.085	0.292	0.21	0.251	0.794	1.
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	11	7.	6.545	10.	3.	3.673	1.916	3.4	5.	7.	9.8
00500p	RESIDUE, TOTAL (MG/L)	07/17/79-04/06/93	2	85.5	85.5	98.	73.	312.5	17.678	**	**	**	**
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	07/17/79-04/06/93	2	23.	23.	24.	22.	2.	1.414	**	**	**	**
00510p	RESIDUE, TOTAL FIXED (MG/L)	07/17/79-04/06/93	2	62.5	62.5	74.	51.	264.5	16.263	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	11	6.	8.5	27.	0.5	49.25	7.018	1.2	4.	11.	24.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	11	4.	3.591	8.	0.5	6.141	2.478	0.6	1.	6.	7.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	11	3.	4.955	19.	0.5	25.423	5.042	0.8	2.	6.	16.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	11	0.07	0.059	0.1	0.02	0.001	0.028	0.02	0.04	0.08	0.098
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	11 ##	0.005	0.012	0.04	0.005	0.	0.012	0.005	0.005	0.01	0.038
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	11	0.04	0.045	0.09	0.02	0.001	0.024	0.02	0.02	0.06	0.086
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	11	0.3	0.315	0.53	0.1	0.021	0.146	0.12	0.2	0.5	0.524
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	11	0.1	0.077	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	11 ##	0.005	0.012	0.03	0.005	0.	0.01	0.005	0.005	0.02	0.03
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	7	3.7	3.6	4.5	2.4	0.407	0.638	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	13	26.	29.154	42.	53.974	7.347	20.8	24.	37.	41.2
00940p	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	3	7.	7.333	9.	2.333	1.528	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	08/06/85-04/06/93	2	29.5	29.5	34.	40.5	6.364	**	**	**	**
00951p	FLUORIDE, TOTAL (MG/L AS F)	11/09/88-04/06/93	2 ##	0.04	0.04	0.05	0.	0.014	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	8 ##	50.	56.25	100.	312.5	17.678	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	8 ##	1.699	1.737	2.	0.011	0.106	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =		54.525								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	10	11.9	12.76	26.5	77.176	8.785	1.08	3.9	20.55	26.28
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	5	86.	83.8	103.	180.2	13.424	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	10	9.75	10.08	13.7	4.871	2.207	7.16	8.3	11.9	13.61
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	10	1.5	1.55	3.	0.581	0.762	0.55	1.	2.	2.9
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	10	14.	14.	21.	15.333	3.916	7.2	12.	16.25	20.6
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	6	7.35	7.033	7.6	0.471	0.686	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	6	7.325	6.541	7.6	0.762	0.873	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	6	0.047	0.288	1.259	0.239	0.489	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	10	6.2	6.19	6.3	0.01	0.099	6.01	6.1	6.3	6.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	10	6.2	6.179	6.3	0.01	0.1	6.01	6.1	6.3	6.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	10	0.631	0.662	1.	0.501	0.026	0.16	0.501	0.794	0.979
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	10	7.	6.6	8.	2.267	1.506	4.1	5.	8.	8.
00500p	RESIDUE, TOTAL (MG/L)	07/17/79-04/06/93	10	87.	90.2	112.	125.067	11.183	76.2	81.75	97.	111.1
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	07/17/79-04/06/93	10	18.5	20.2	31.	49.067	7.005	10.2	15.	28.	30.7
00510p	RESIDUE, TOTAL FIXED (MG/L)	07/17/79-04/06/93	10	74.	70.	96.	169.111	13.004	54.1	58.	76.25	94.1
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	10	6.5	9.6	33.	84.489	9.192	2.1	3.	12.5	31.1
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	10	3.	3.45	6.	3.247	1.802	0.65	2.	5.25	6.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	10	3.5	6.35	28.	67.503	8.216	0.5	0.5	8.	26.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	10	0.05	0.057	0.12	0.001	0.027	0.022	0.04	0.065	0.116
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	10 ##	0.005	0.008	0.02	0.005	0.005	0.005	0.005	0.01	0.019
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	10 ##	0.02	0.03	0.09	0.001	0.025	0.011	0.02	0.03	0.087
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	10	0.3	0.28	0.4	0.004	0.063	0.2	0.2	0.3	0.39
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	10 ##	0.05	0.06	0.1	0.05	0.	0.021	0.05	0.05	0.063
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	10 ##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.01	0.019
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	10	3.75	3.89	4.9	3.1	0.325	0.57	3.11	3.5	4.3
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	11	27.	30.455	46.	71.873	8.478	22.4	24.	38.	45.2
00940p	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	10	6.	7.	16.	13.556	3.682	3.2	5.	7.75	15.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	08/06/85-04/06/93	10	22.5	24.5	41.	53.833	7.337	16.1	20.	28.	40.
00951p	FLUORIDE, TOTAL (MG/L AS F)	11/09/88-04/06/93	10 ##	0.075	0.078	0.11	0.005	0.001	0.03	0.05	0.11	0.11
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	1 ##	50.	50.	50.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	1 ##	1.699	1.699	1.699	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =		50.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	8	10.45	10.688	23.9	76.964	8.773	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	2	97.	97.	126.	1682.	41.012	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	8	9.8	9.963	13.3	7.991	2.827	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	9	1.	1.333	2.	0.25	0.5	1.	1.	2.	2.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	9	13.	12.556	16.	8.	9.278	3.046	8.	10.	16.
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	4	6.75	6.65	7.1	6.	0.257	0.507	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	4	6.682	6.427	7.1	6.	0.323	0.568	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	4	0.208	0.374	1.	0.079	0.186	0.431	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	9	6.2	6.111	6.4	5.5	0.094	0.306	5.5	5.9	6.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	9	6.2	5.994	6.4	5.5	0.109	0.33	5.5	5.9	6.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	9	0.631	1.013	3.162	0.398	0.886	0.941	0.398	0.501	1.395
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	9	7.	7.667	12.	5.	4.	2.	5.	6.5	8.5
00500p	RESIDUE, TOTAL (MG/L)	07/17/79-04/06/93	9	72.	78.	113.	62.	250.25	15.819	62.	67.	85.5
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	07/17/79-04/06/93	9	22.	19.667	26.	7.	42.	6.481	7.	14.5	25.
00510p	RESIDUE, TOTAL FIXED (MG/L)	07/17/79-04/06/93	9	56.	58.333	88.	46.	173.	13.153	46.	48.	64.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	9	10.	12.556	26.	4.	54.528	7.384	4.	6.5	18.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	9	3.	3.278	6.	0.5	3.569	1.889	0.5	1.5	5.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	9	7.	9.333	20.	1.	46.75	6.837	1.	4.	16.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	9 ##	0.02	0.036	0.08	0.02	0.	0.022	0.02	0.02	0.05
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	9 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	9	0.04	0.044	0.14	0.02	0.001	0.038	0.02	0.02	0.05
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	9	0.3	0.322	0.4	0.2	0.004	0.067	0.2	0.3	0.4
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	9 ##	0.05	0.072	0.1	0.05	0.001	0.026	0.05	0.05	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	8 ##	0.005	0.013	0.05	0.005	0.	0.016	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	9	4.8	4.556	6.	3.3	0.743	0.862	3.3	3.85	5.15
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	9	26.	25.889	44.	17.	62.111	7.881	17.	20.	28.
00940p	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	9	4.	5.667	16.	3.	15.75	3.969	3.	4.	5.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	08/06/85-04/06/93	9	16.	18.556	32.	10.	52.278	7.23	10.	13.	24.5
00951p	FLUORIDE, TOTAL (MG/L AS F)	11/09/88-04/06/93	9 ##	0.05	0.068	0.13	0.025	0.001	0.036	0.025	0.05	0.105

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Annual Analysis for 1991 - Station PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	9	17.1	16.844	26.4	5.8	54.343	7.372	5.8	9.1	23.6
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	1	73.	73.	73.	0.	0.	0.	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	8	8.1	8.375	11.8	5.9	5.119	2.263	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	10	1.	1.7	5.	1.	1.567	1.252	1.	1.	2.
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	10	9.5	9.9	16.	3.	12.767	3.573	3.4	8.5	13.
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	9	6.6	6.6	7.	6.3	0.073	0.269	6.3	6.3	6.85
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	9	6.6	6.53	7.	6.3	0.078	0.279	6.3	6.3	6.85
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	9	0.251	0.295	0.501	0.1	0.028	0.167	0.1	0.142	0.501
00403p	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	10	6.4	6.17	6.8	4.5	0.438	0.662	4.62	5.925	6.525
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	10	6.4	5.433	6.8	4.5	1.042	1.021	4.62	5.925	6.525
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	10	0.398	3.694	31.623	0.158	96.597	9.828	0.168	0.3	1.249
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	9	7.	6.444	13.	1.	16.528	4.065	1.	2.5	9.5
00500p	RESIDUE, TOTAL (MG/L)	07/17/79-04/06/93	10	75.	82.7	130.	60.	719.789	26.829	60.	60.75	98.5
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	07/17/79-04/06/93	10	15.5	17.6	37.	6.	88.267	9.395	6.4	10.75	26.
00510p	RESIDUE, TOTAL FIXED (MG/L)	07/17/79-04/06/93	10	64.	65.1	104.	40.	432.1	20.787	40.6	47.5	77.25
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	10	8.	8.5	18.	5.	13.167	3.629	5.1	6.	9.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	10	3.	2.9	6.	2.	1.433	1.197	2.	2.	3.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	10	5.	5.6	12.	3.	6.044	2.459	3.1	4.	6.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	10	0.055	0.053	0.09	0.02	0.001	0.028	0.02	0.02	0.08
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	10 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	10	0.04	0.049	0.12	0.02	0.001	0.032	0.02	0.02	0.06
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	10	0.3	0.31	0.5	0.2	0.012	0.11	0.2	0.2	0.4
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	10 ##	0.05	0.065	0.1	0.05	0.001	0.024	0.05	0.05	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	10	0.01	0.009	0.01	0.005	0.	0.002	0.006	0.01	0.01
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	10	2.8	2.9	4.1	1.9	0.649	0.806	1.92	2.175	3.8
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	10	45.	36.6	55.	16.	242.489	15.572	16.2	18.	48.75

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Annual Analysis for 1991 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/14/82-04/06/93	10	5.	4.9	7.	3.	1.656	1.287	3.1	4.	5.5	7.
00945p	SULFATE, TOTAL (MG/L AS SO4)	08/06/85-04/06/93	10	22.5	26.2	51.	9.	257.289	16.04	9.	12.	38.75	50.9
00951p	FLUORIDE, TOTAL (MG/L AS F)	11/09/88-04/06/93	9##	0.05	0.09	0.16	0.05	0.002	0.048	0.05	0.05	0.14	0.16

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Annual Analysis for 1992 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	12	12.6	13.383	24.3	1.9	60.68	7.79	2.8	5.85	22.1	23.73
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	12	81.	81.25	106.	67.	117.841	10.855	68.2	71.5	87.	102.1
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	12	1.	1.458	3.	0.5	0.521	0.722	0.65	1.	2.	2.7
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	11	13.	14.727	27.	6.	41.218	6.42	6.4	9.	20.	26.2
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	12	7.	6.842	7.7	5.4	0.434	0.658	5.58	6.4	7.3	7.61
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	12	6.989	6.282	7.7	5.4	0.775	0.88	5.58	6.4	7.3	7.61
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	12	0.103	0.522	3.981	0.02	1.266	1.125	0.026	0.05	0.426	3.087
00403p	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	12	6.4	6.467	7.1	5.	0.313	0.56	5.39	6.3	6.95	7.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	12	6.4	5.951	7.1	5.	0.603	0.777	5.39	6.3	6.95	7.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	12	0.398	1.119	10.	0.079	7.849	2.802	0.079	0.115	0.501	7.15
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	12	7.5	6.417	10.	0.	8.811	2.968	0.6	4.5	8.	9.7
00500p	RESIDUE, TOTAL (MG/L)	07/17/79-04/06/93	12	70.5	74.75	100.	61.	161.295	12.7	62.2	66.5	78.25	100.
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	07/17/79-04/06/93	12	20.	20.417	30.	4.	62.447	7.902	5.8	17.25	27.	30.
00510p	RESIDUE, TOTAL FIXED (MG/L)	07/17/79-04/06/93	12	50.5	54.333	73.	42.	100.97	10.048	43.2	46.5	63.25	72.1
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	12	7.	9.167	30.	3.	53.97	7.346	3.	5.25	9.75	25.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	12	2.5	3.083	8.	1.	3.72	1.929	1.	2.	4.	6.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	12	4.5	6.083	22.	2.	30.629	5.534	2.	3.25	5.75	18.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	13	0.04	0.037	0.06	0.01	0.	0.015	0.014	0.02	0.045	0.06
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	13 ##	0.005	0.009	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.022
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	13	0.05	0.049	0.08	0.02	0.	0.02	0.02	0.03	0.07	0.076
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	13	0.3	0.315	0.5	0.2	0.008	0.09	0.2	0.25	0.4	0.46
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	13 ##	0.05	0.069	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	3	0.01	0.015	0.03	0.005	0.	0.013	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	11	3.6	4.755	9.9	2.2	6.135	2.477	2.32	2.9	6.5	9.54
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	11	29.	28.455	36.	22.	14.273	3.778	22.8	26.	30.	35.2
00940p	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	11	4.	4.	5.	3.	0.4	0.632	3.	4.	4.	5.
00945p	SULFATE, TOTAL (MG/L AS SO4)	08/06/85-04/06/93	11	17.	17.091	24.	11.	11.091	3.33	11.8	15.	18.	23.4
00951p	FLUORIDE, TOTAL (MG/L AS F)	11/09/88-04/06/93	10 ##	0.1	0.12	0.25	0.05	0.007	0.082	0.05	0.05	0.175	0.25
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	8 ##	50.	100.	300.	50.	9285.714	96.362	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	8 ##	1.699	1.871	2.477	1.699	0.104	0.323	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			74.387								
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/74-06/15/93	9 ##	0.005	0.013	0.07	0.005	0.	0.021	0.005	0.005	0.01	0.07

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Annual Analysis for 1993 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	7	9.3	13.171	26.3	2.2	79.192	8.899	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	7	68.	75.857	114.	62.	336.476	18.343	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	3	1.	1.667	3.	1.	1.333	1.155	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	3	7.	9.5	21.	0.5	109.75	10.476	**	**	**	**
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	7	7.	6.971	7.4	6.5	0.089	0.298	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	7	7.	6.883	7.4	6.5	0.098	0.313	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	7	0.1	0.131	0.316	0.04	0.009	0.093	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	2	6.75	6.75	7.1	6.4	0.245	0.495	**	**	**	**

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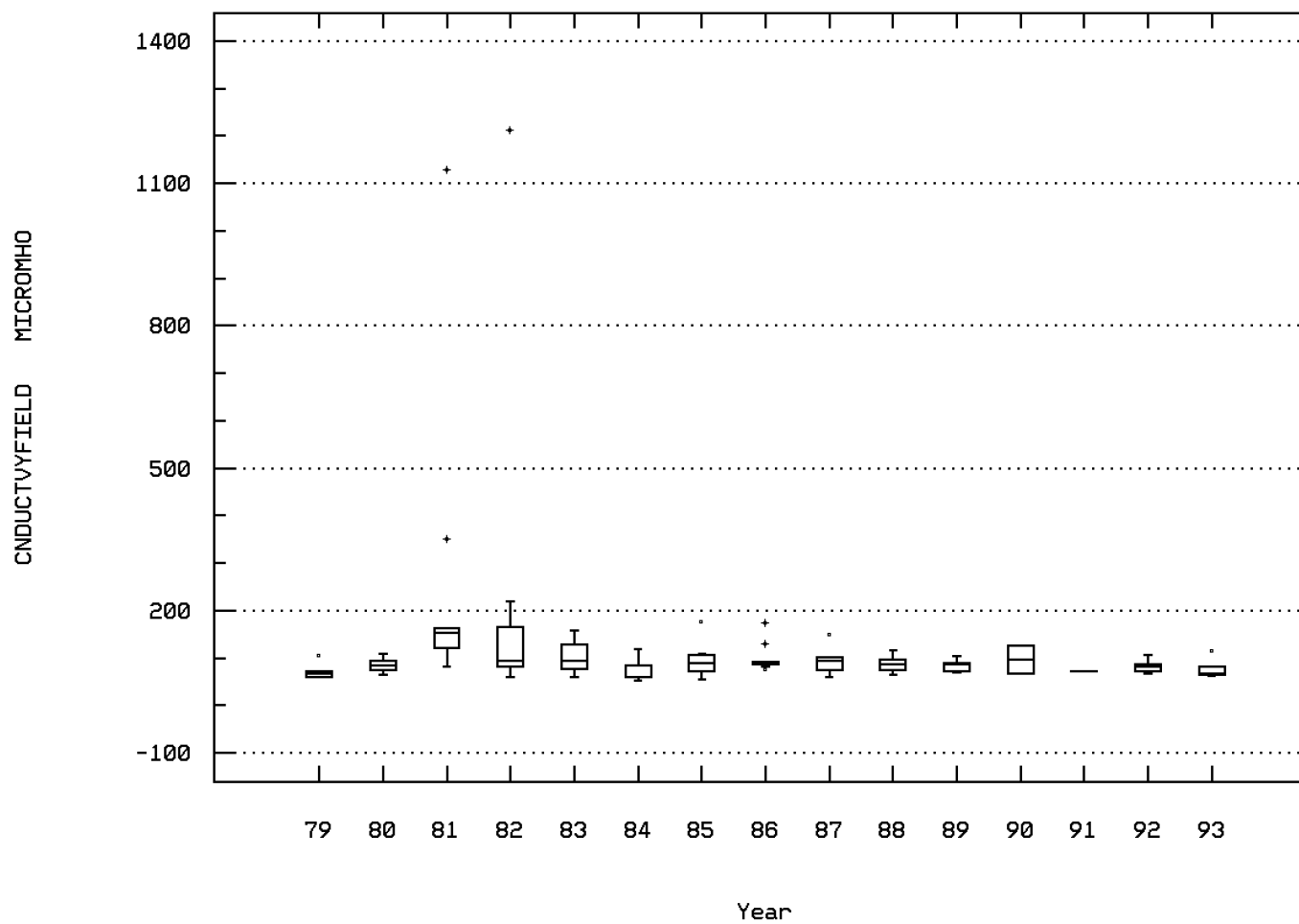
Annual Analysis for 1993 - Station PRWI0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	2	6.622	6.622	7.1	6.4	0.278	0.527	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	2	0.239	0.239	0.398	0.079	0.051	0.225	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	3	5.	4.333	6.	2.	4.333	2.082	**	**	**	**
00500p	RESIDUE, TOTAL (MG/L)	07/17/79-04/06/93	3	68.	86.333	126.	65.	1182.333	34.385	**	**	**	**
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	07/17/79-04/06/93	3	19.	23.	36.	14.	133.	11.533	**	**	**	**
00510p	RESIDUE, TOTAL FIXED (MG/L)	07/17/79-04/06/93	3	54.	63.333	90.	46.	549.333	23.438	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	3	20.	37.667	87.	6.	1874.333	43.294	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	3	5.	6.667	13.	2.	32.333	5.686	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	3	15.	31.	74.	4.	1417.	37.643	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	6 ##	0.02	0.027	0.06	0.02	0.	0.016	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	6 ##	0.008	0.011	0.02	0.005	0.	0.007	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	6	0.08	0.467	1.78	0.02	0.5	0.707	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	6	0.2	0.267	0.5	0.2	0.015	0.121	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	6 ##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	3	6.6	7.167	13.5	1.4	36.843	6.07	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	3	22.	20.333	23.	16.	14.333	3.786	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	3	4.	3.667	4.	3.	0.333	0.577	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	08/06/85-04/06/93	3	13.	13.	14.	12.	1.	1.	**	**	**	**
00951p	FLUORIDE, TOTAL (MG/L AS F)	11/09/88-04/06/93	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	3 ##	50.	100.	200.	50.	7500.	86.603	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	3 ##	1.699	1.9	2.301	1.699	0.121	0.348	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			79.37								
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/74-06/15/93	6 ##	0.008	0.013	0.04	0.005	0.	0.014	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PRWI0001 Parameter Code: 00094

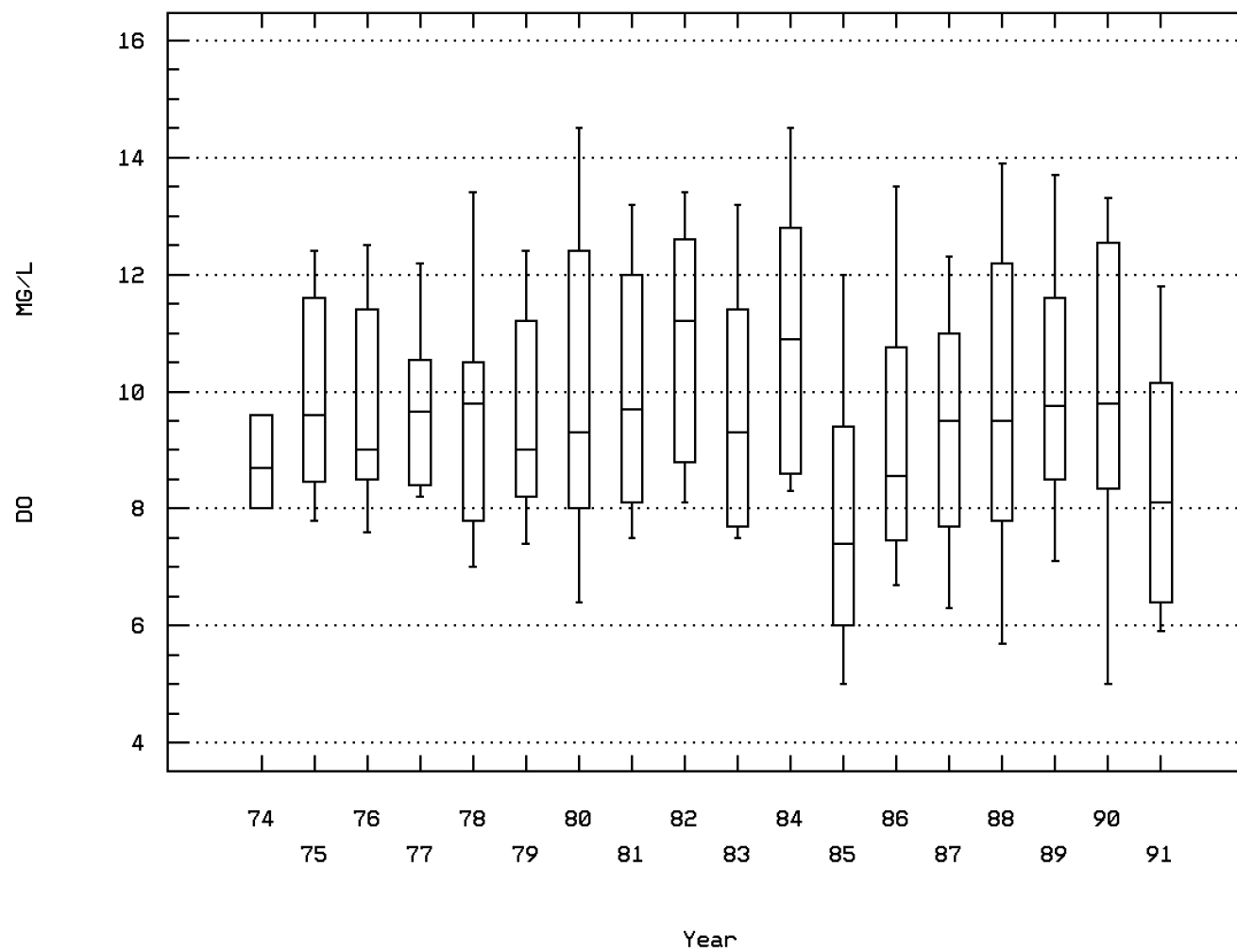
SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Station: PRWI0001 Parameter Code: 00300

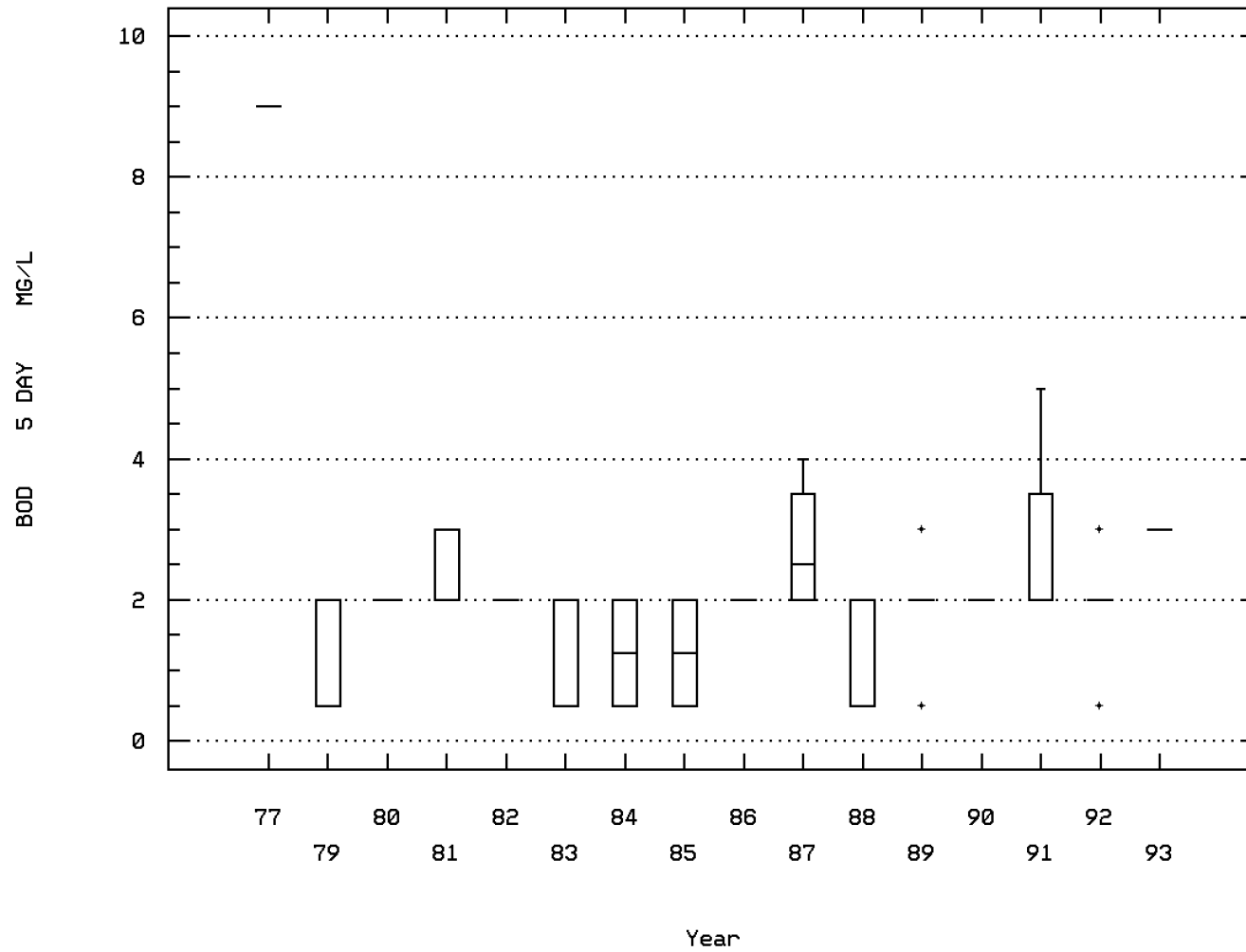
OXYGEN, DISSOLVED



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00310

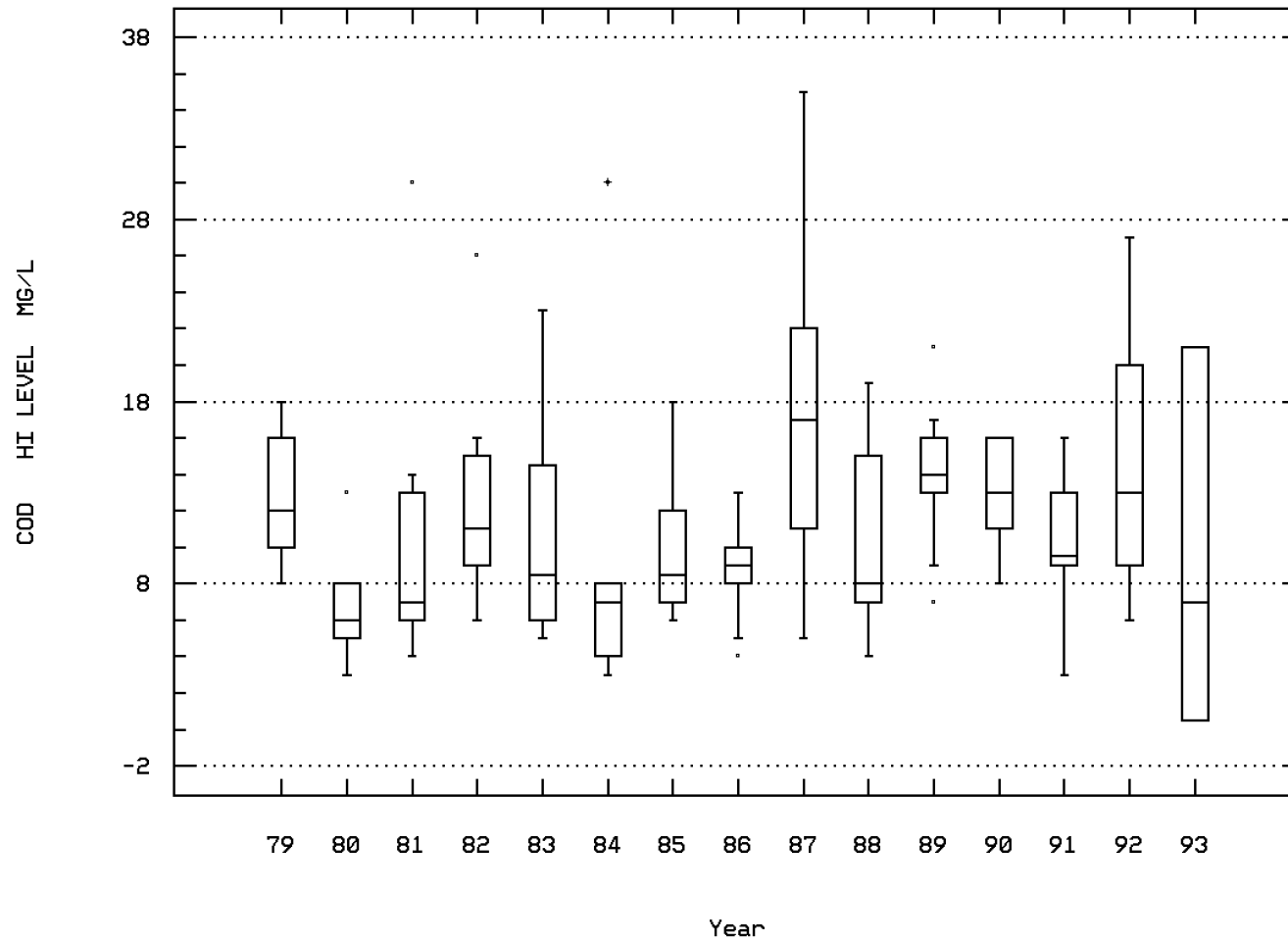
BOD, 5 DAY, 20 DEG C



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00340

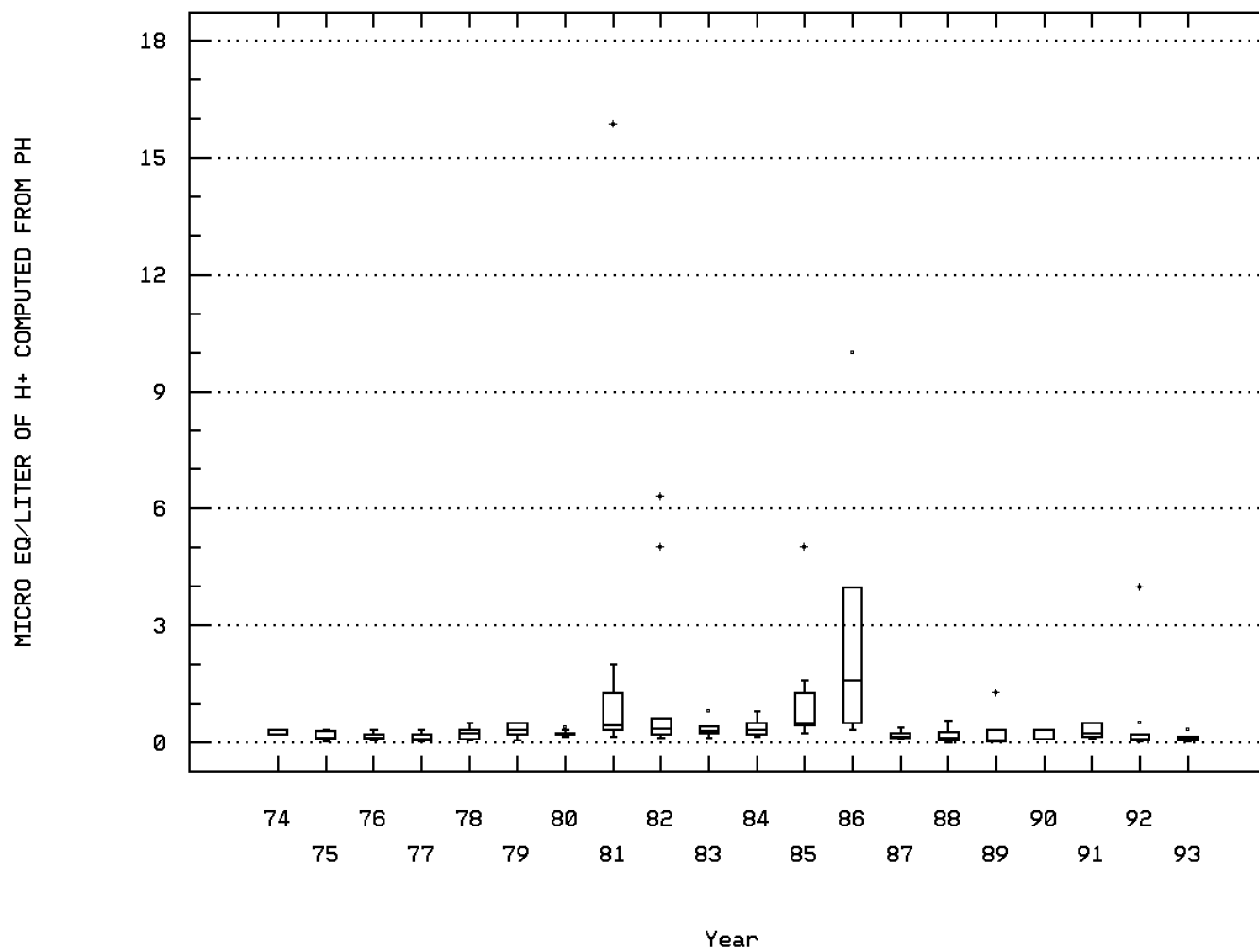
COD, .25N K2CR207



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00400

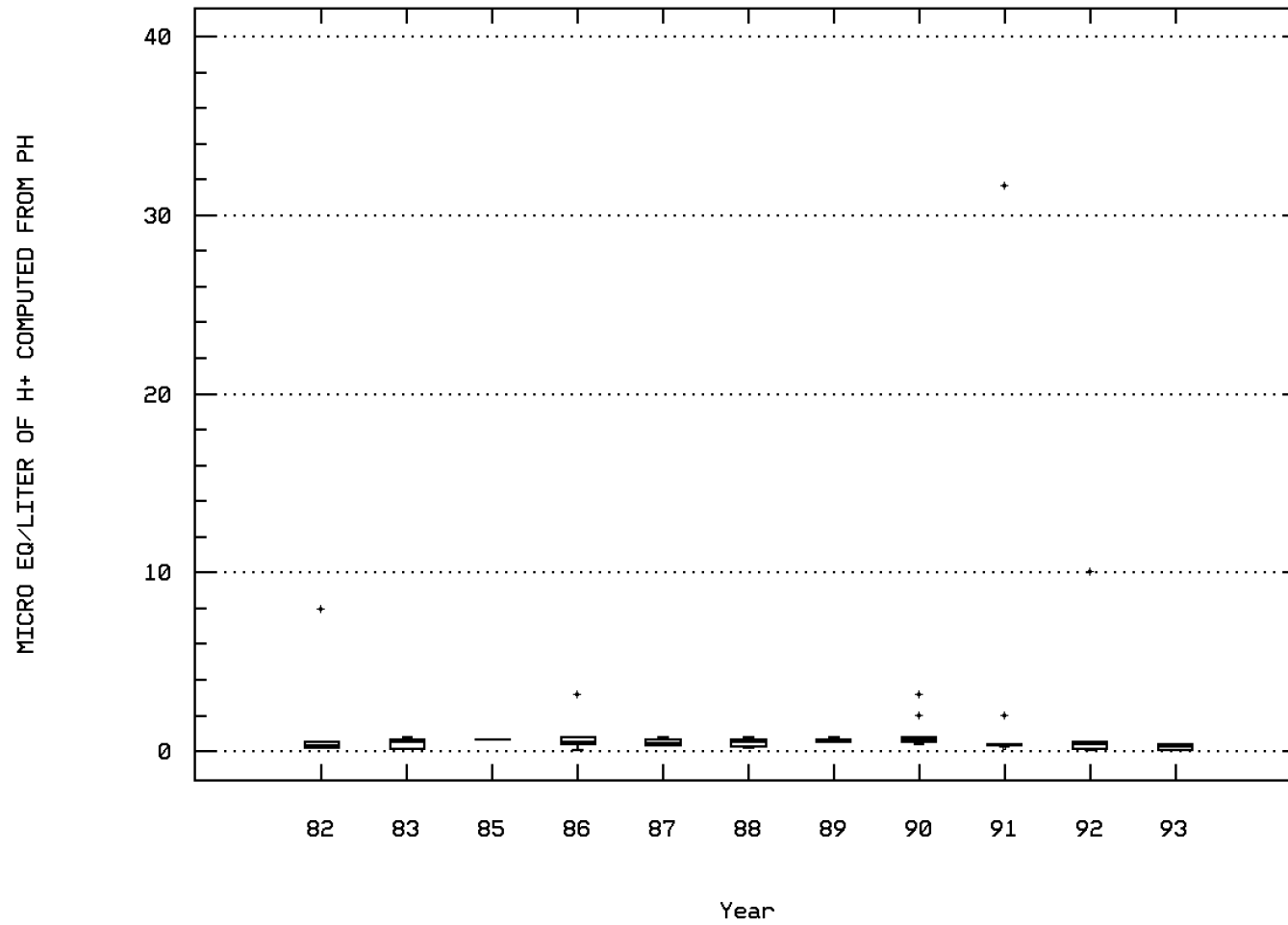
MICRO EQ/LITER OF H+ COMPUTED FROM PH



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00403

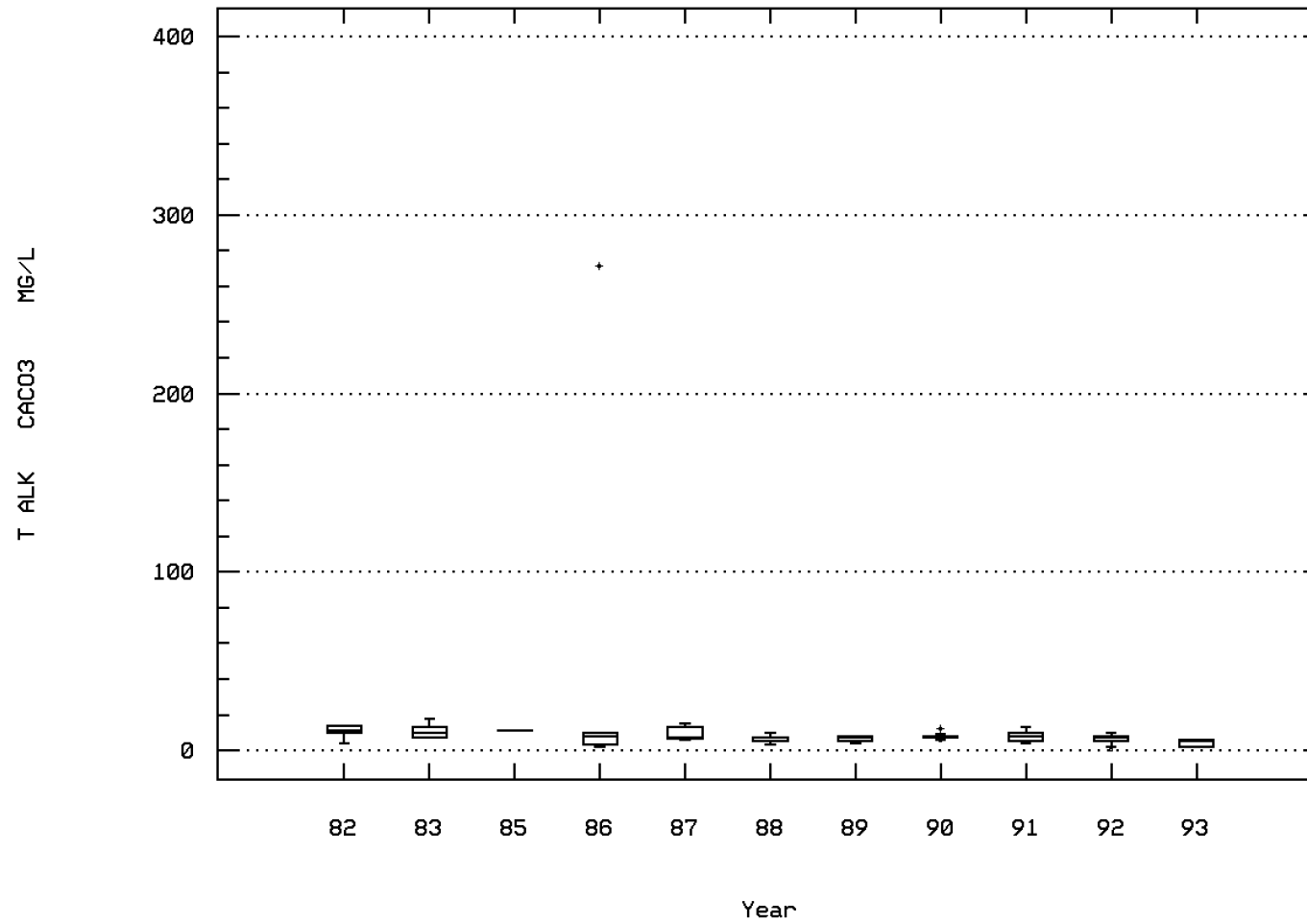
MICRO EQ/LITER OF H+ COMPUTED FROM PH



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00410

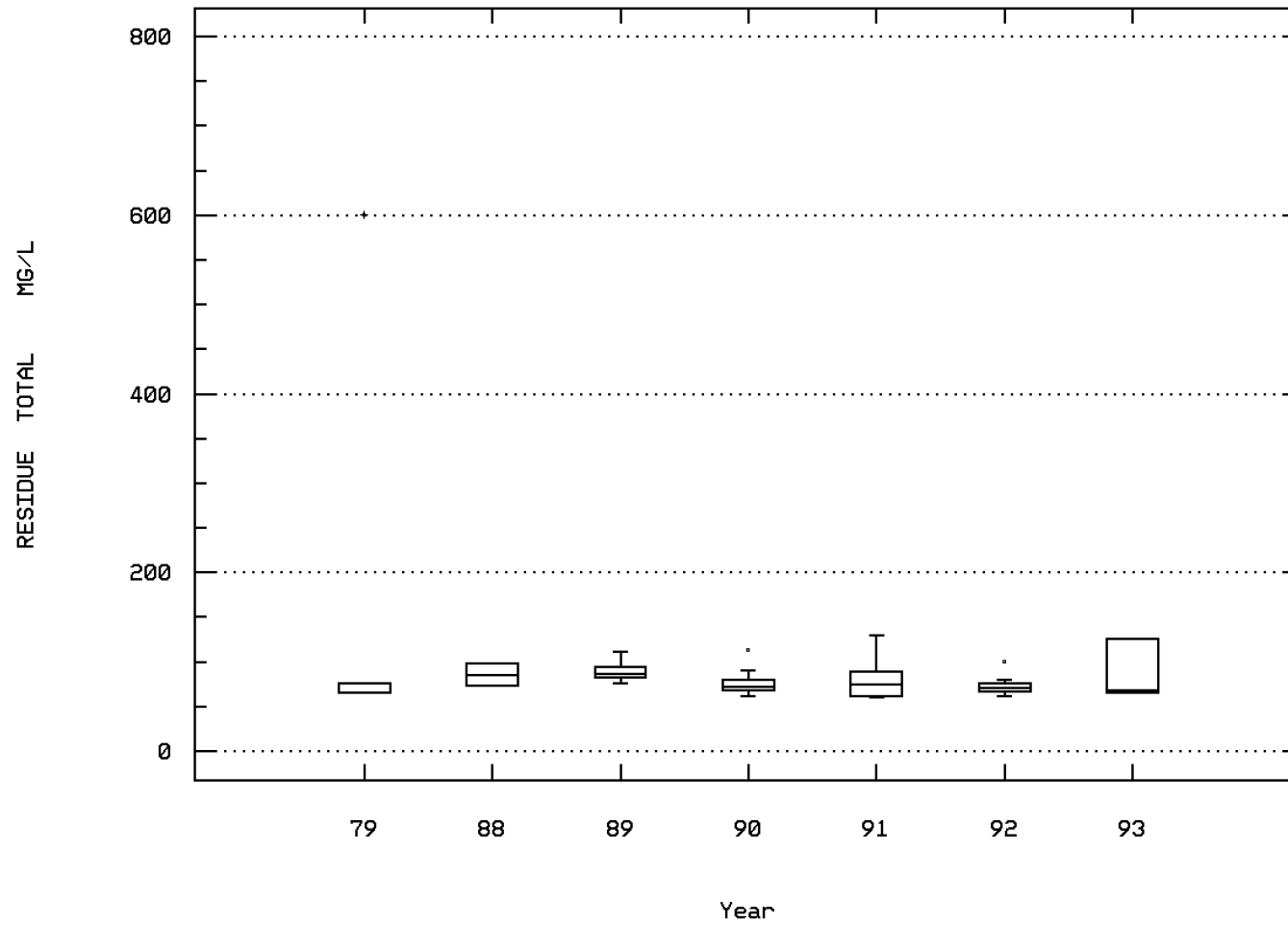
ALKALINITY, TOTAL (MG/L AS CaCO3)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00500

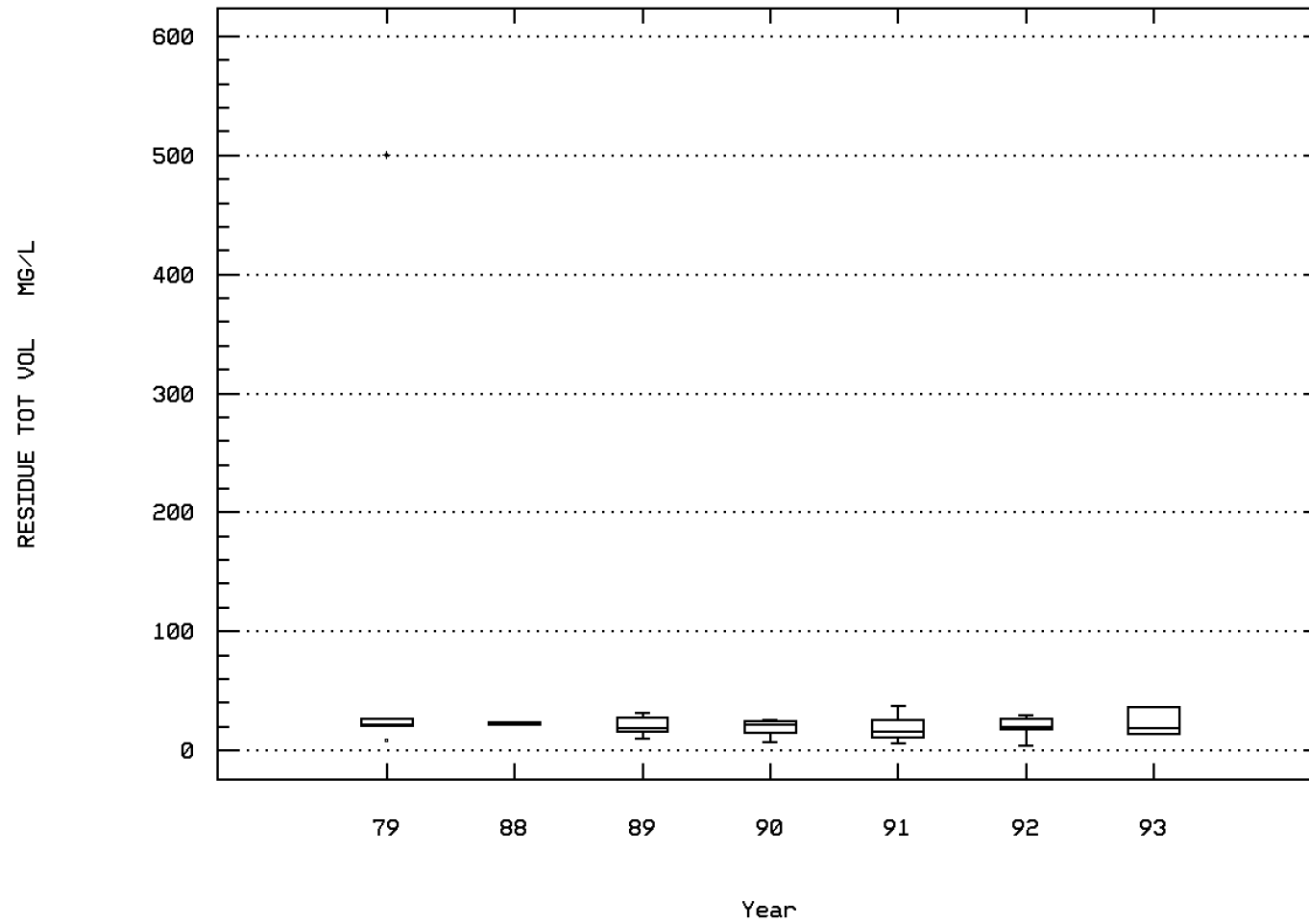
RESIDUE, TOTAL (MG/L)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Station: PRWI0001 Parameter Code: 00505

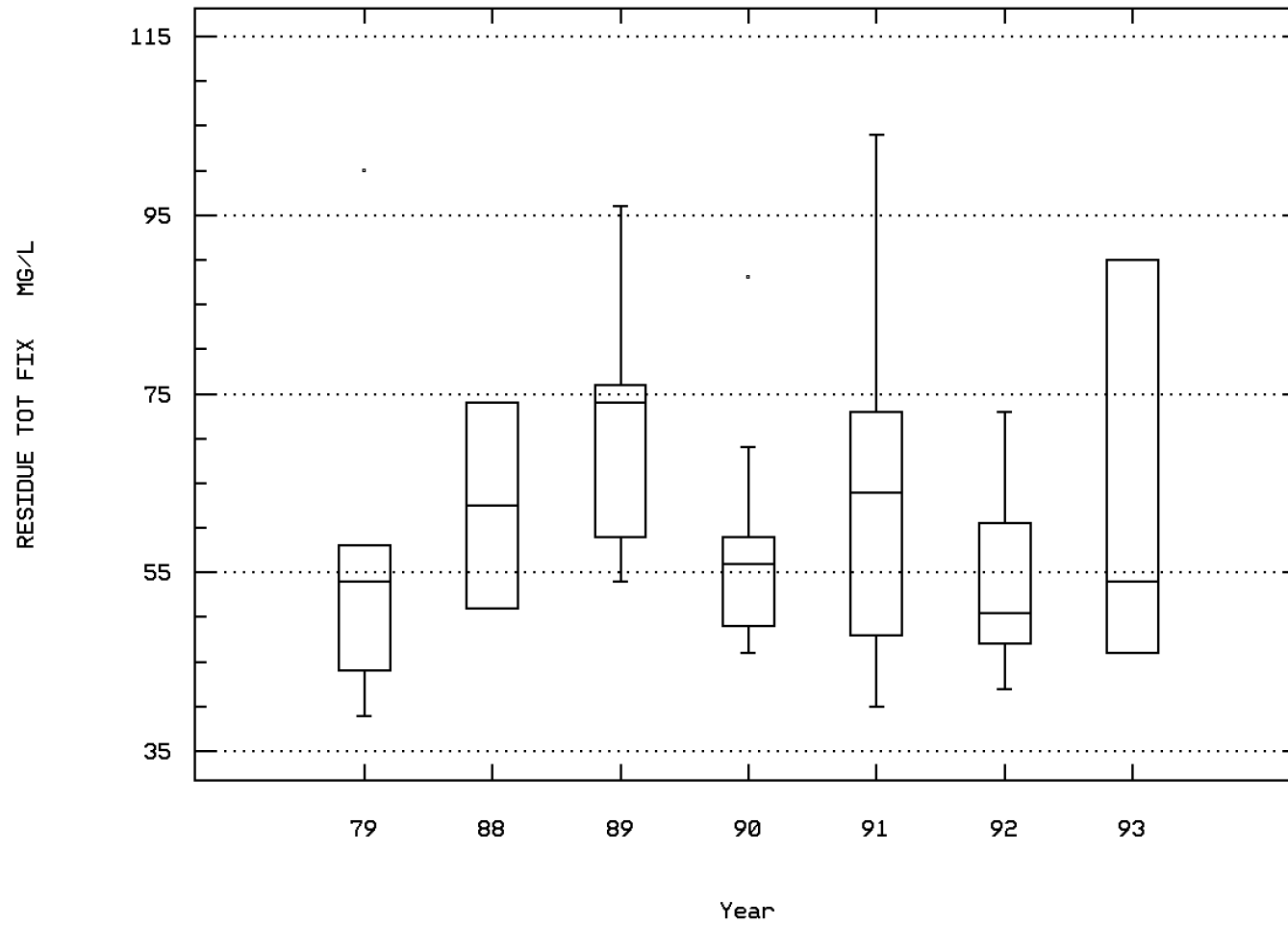
RESIDUE, TOTAL VOLATILE (MG/L)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00510

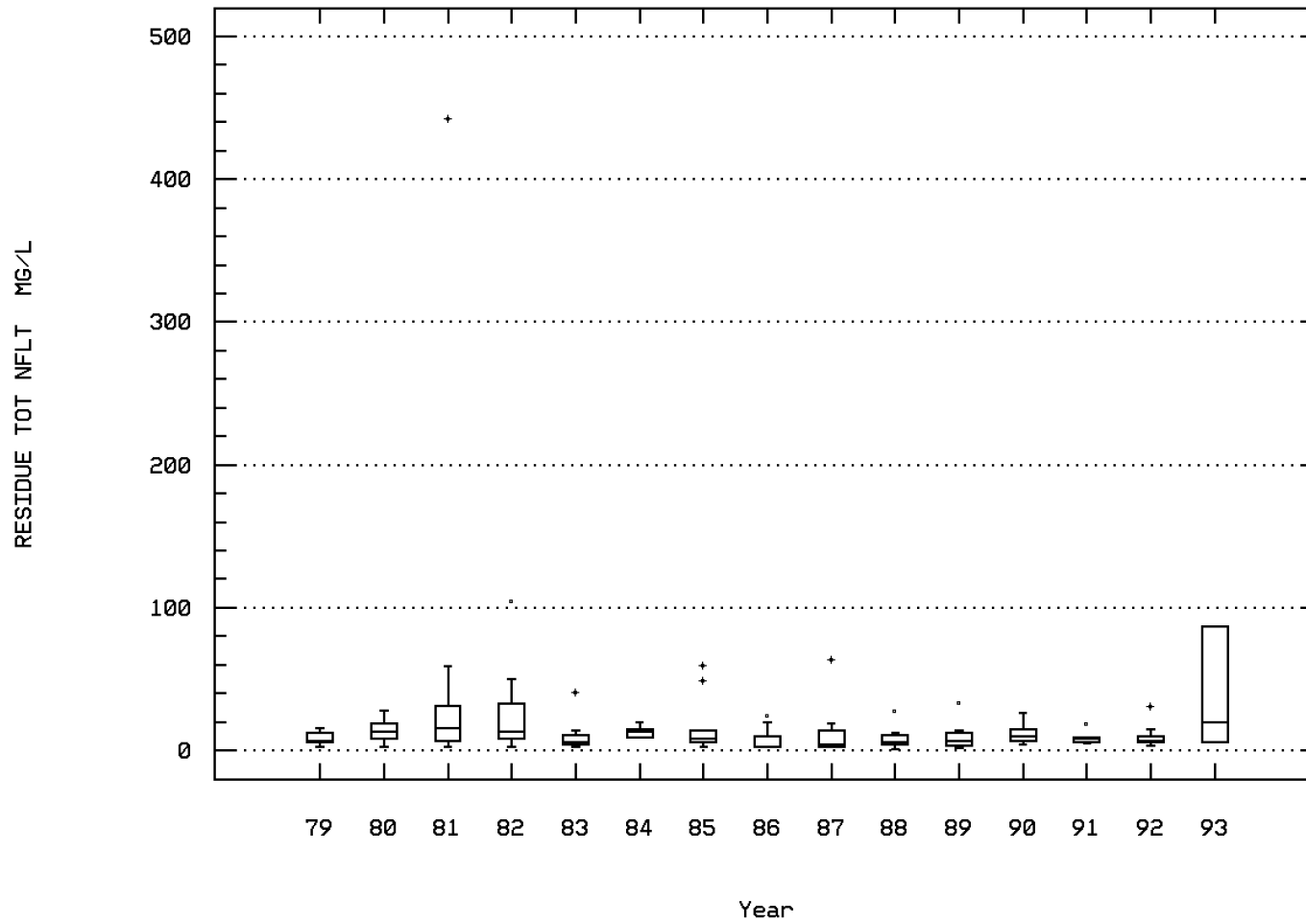
RESIDUE, TOTAL FIXED (MG/L)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00530

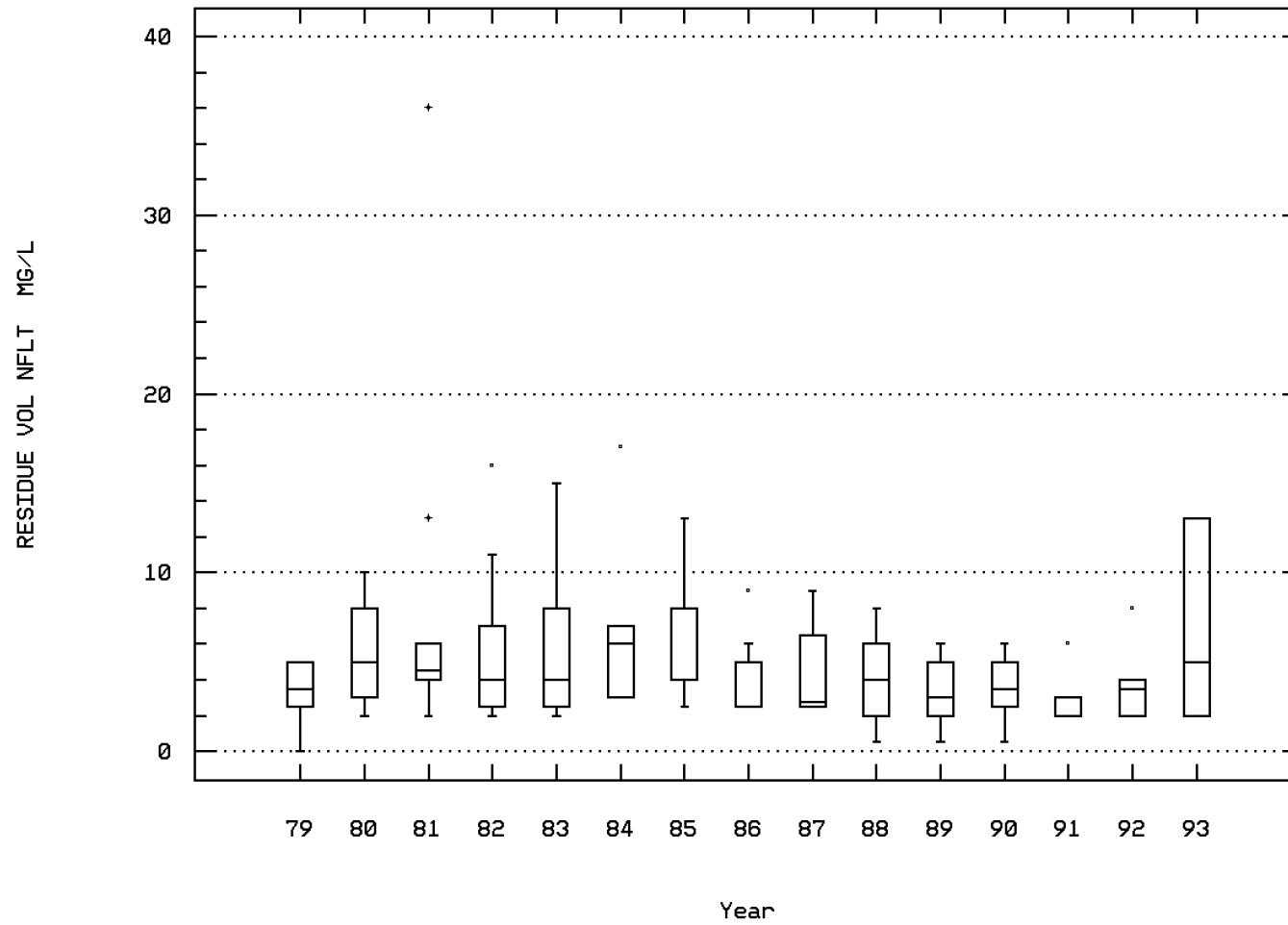
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00535

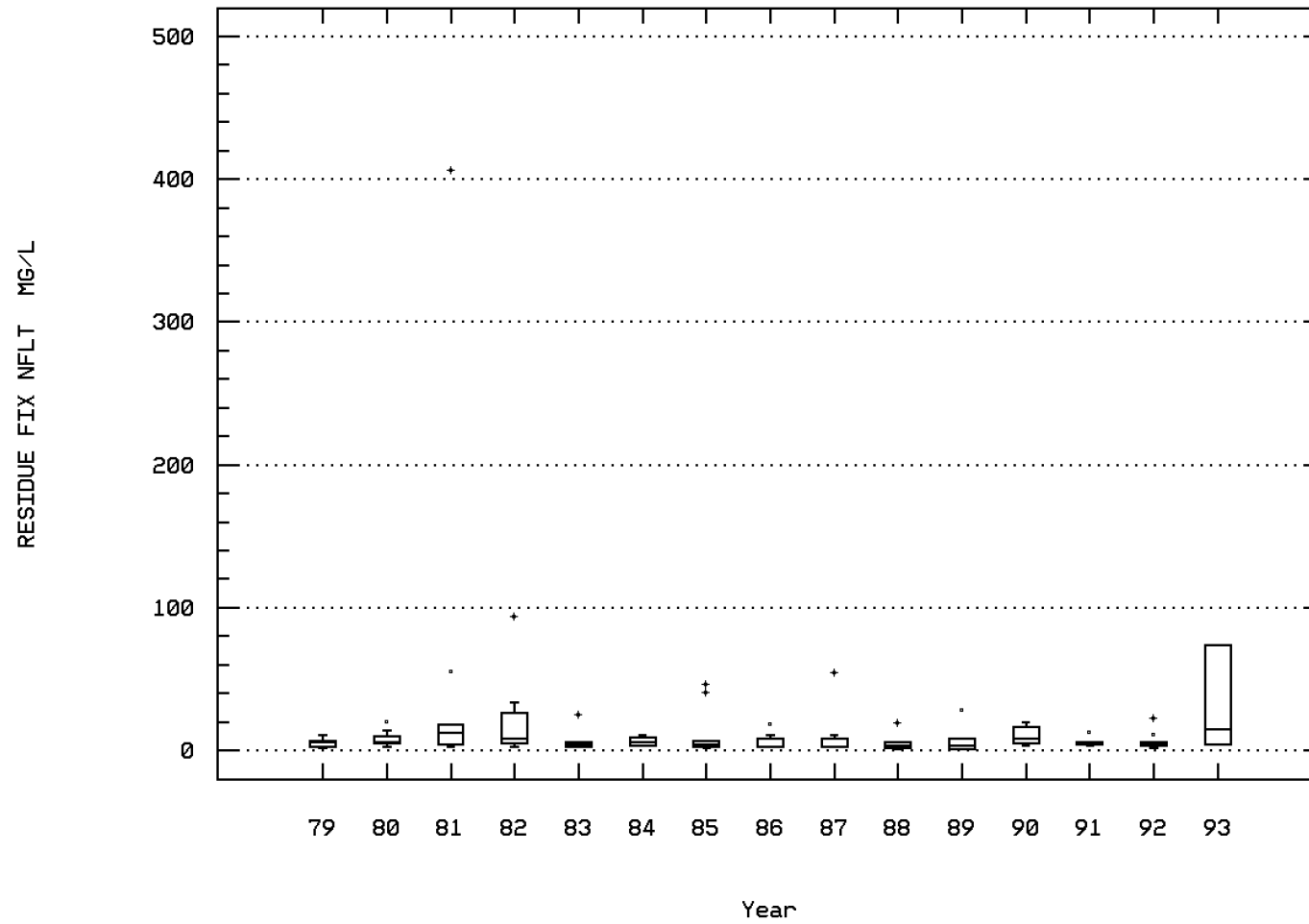
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00540

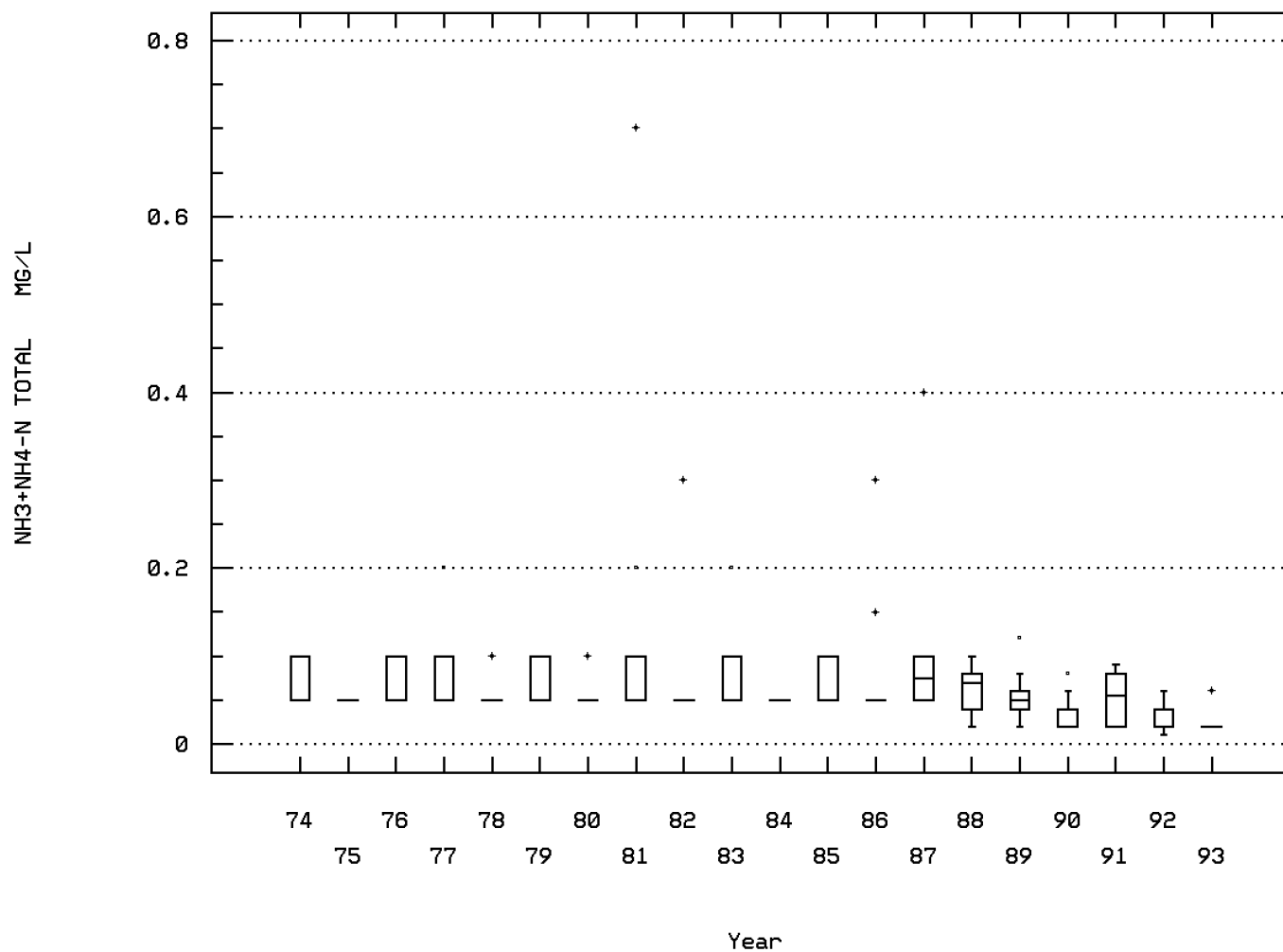
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00610

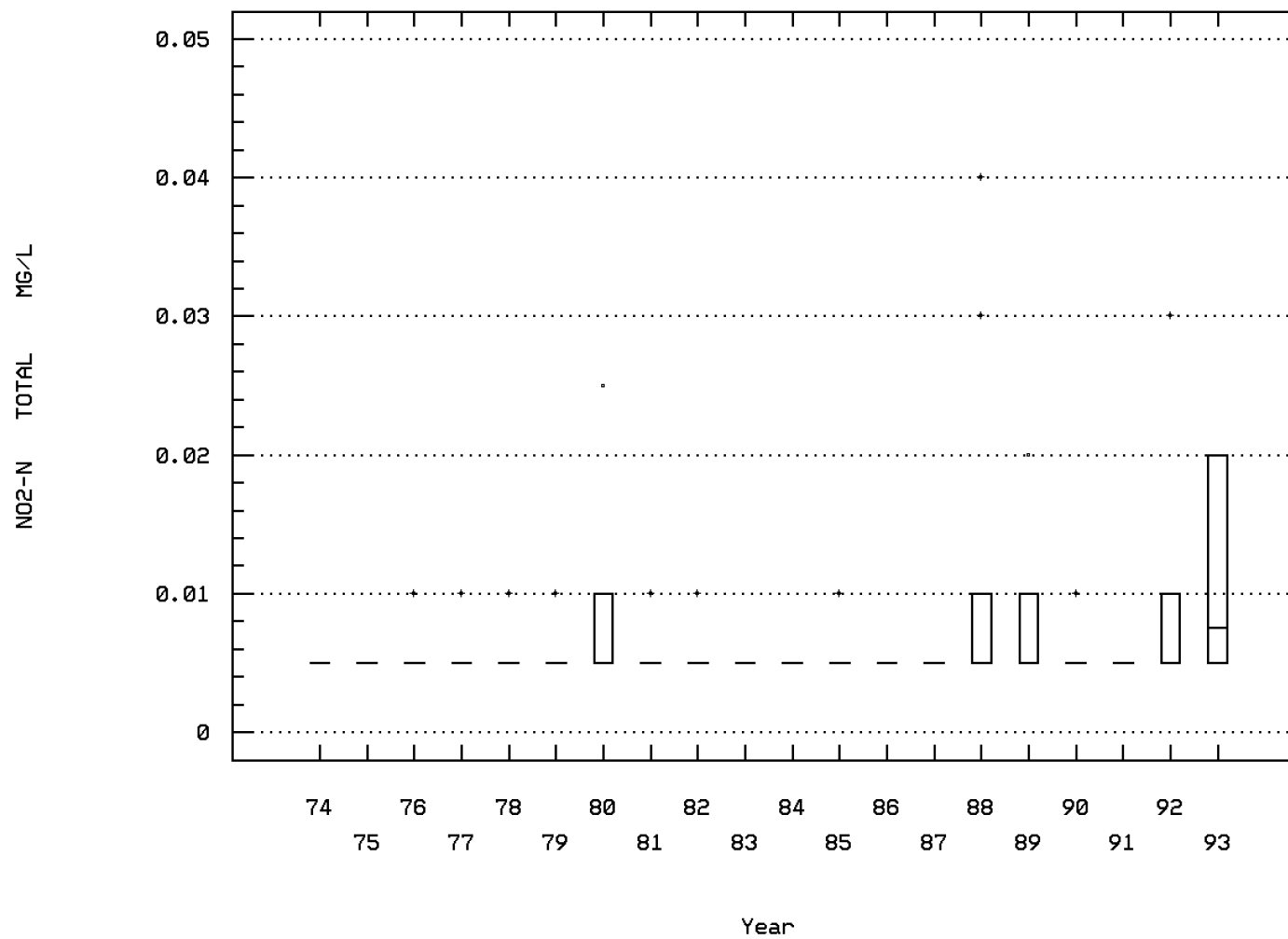
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00615

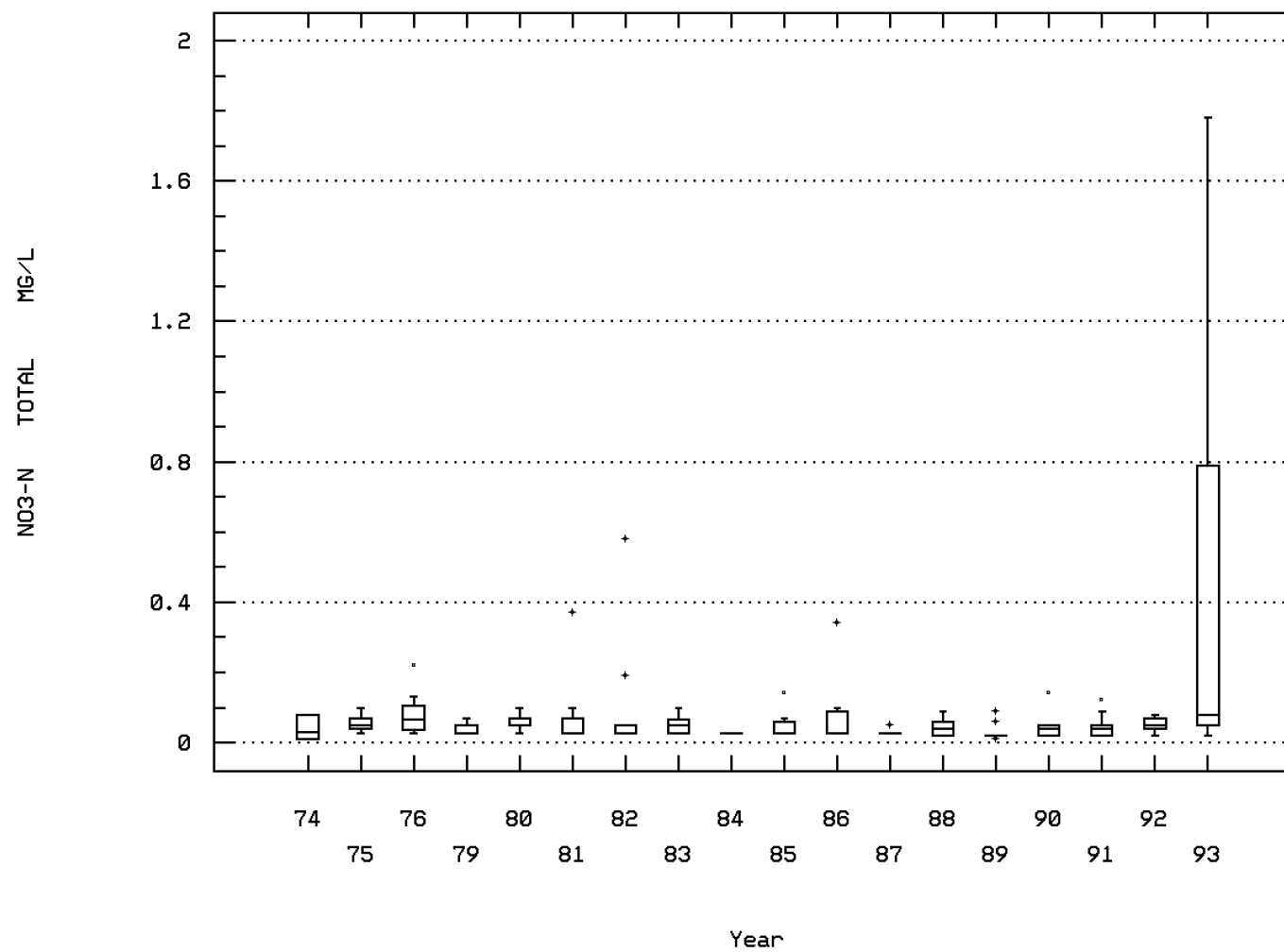
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00620

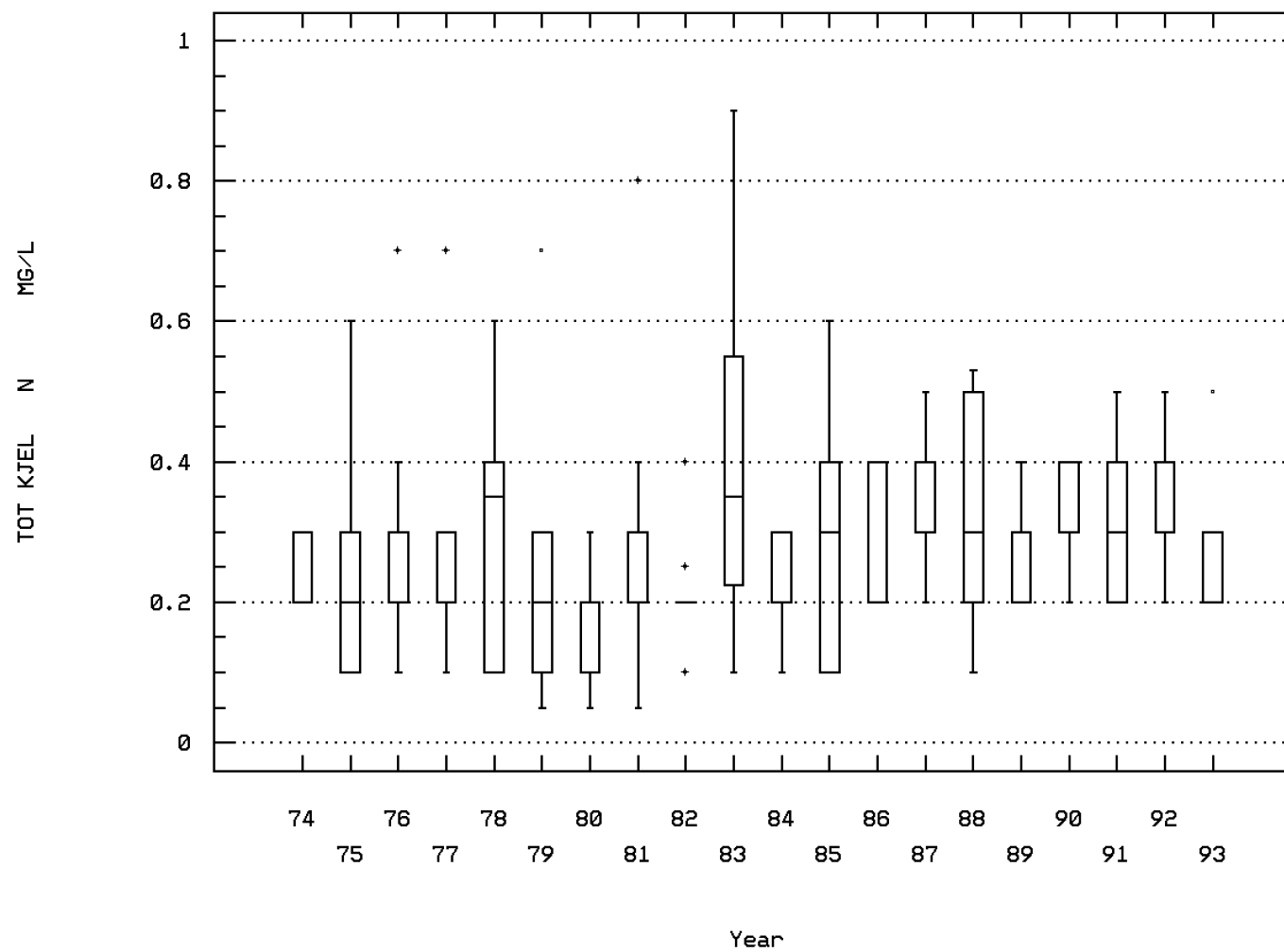
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00625

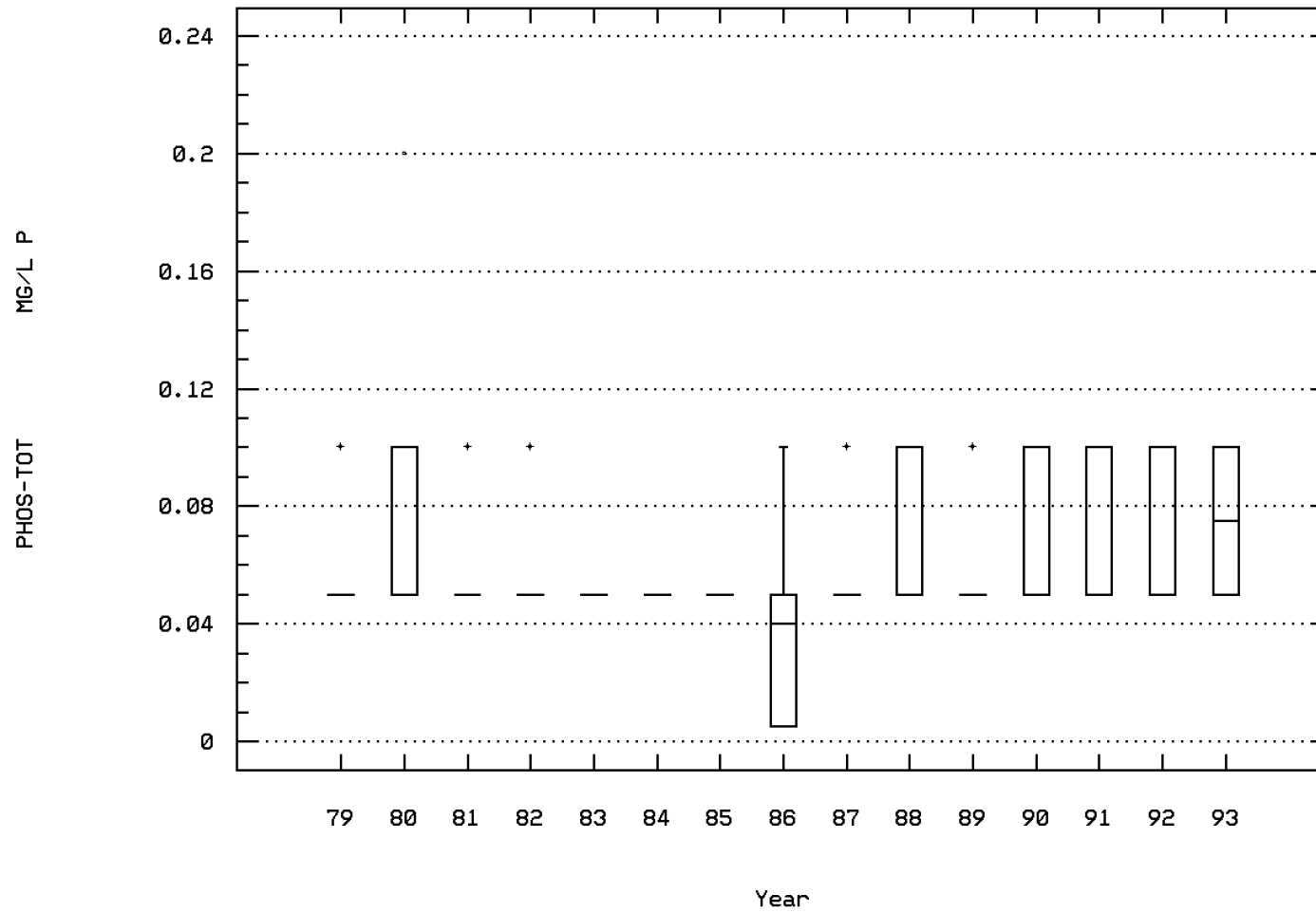
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00665

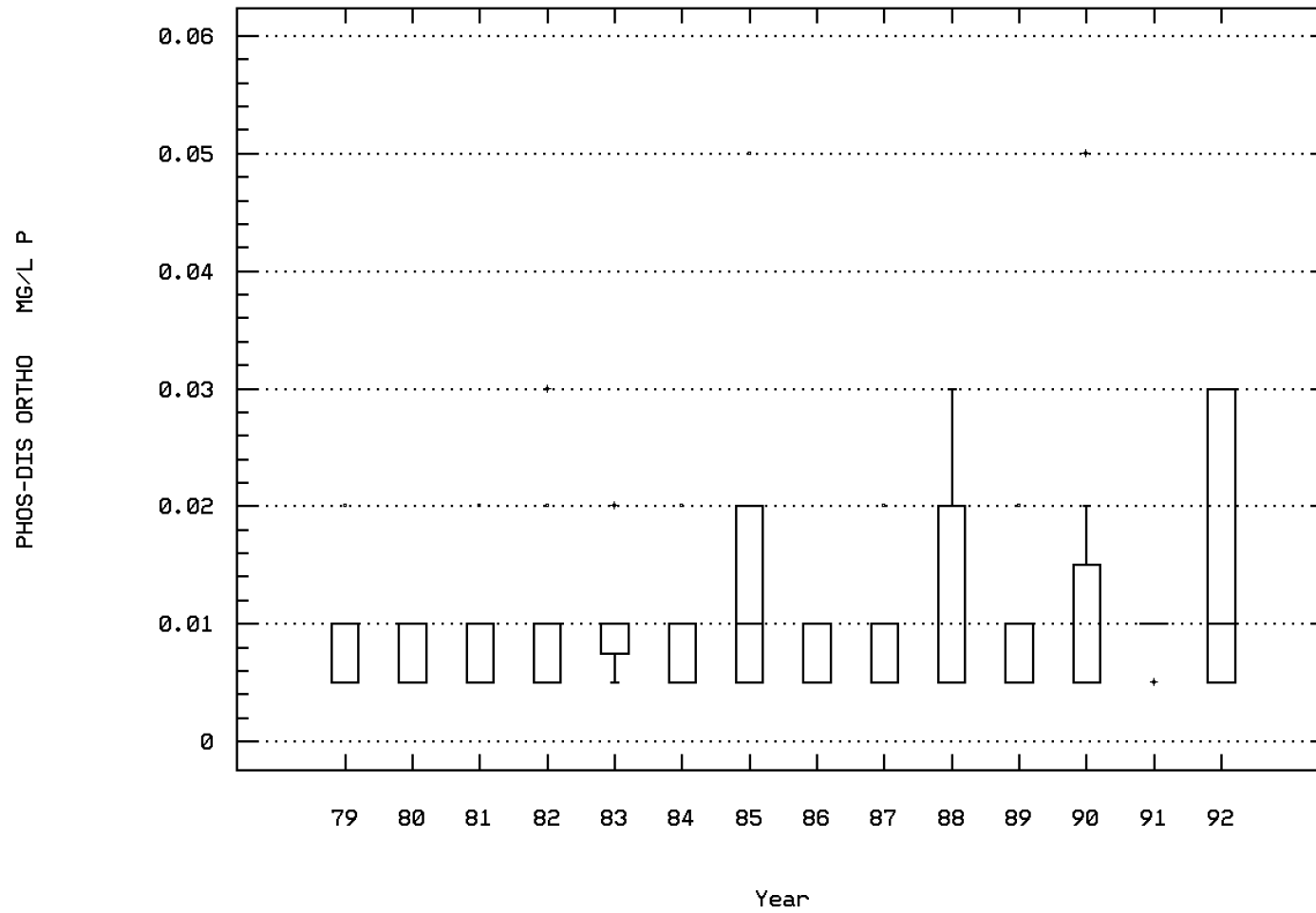
PHOSPHORUS, TOTAL (MG/L AS P)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00671

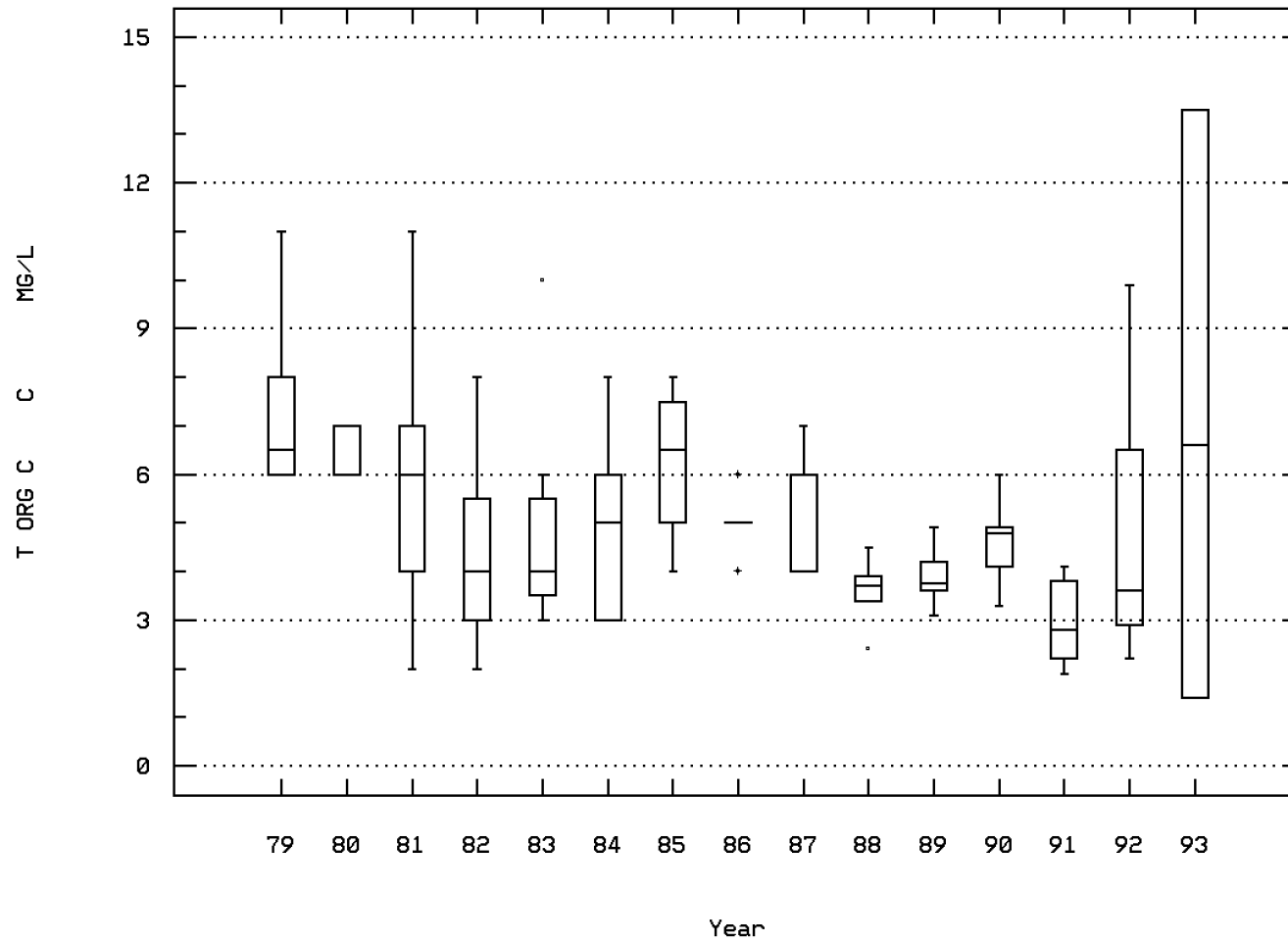
PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (M



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Station: PRWI0001 Parameter Code: 00680

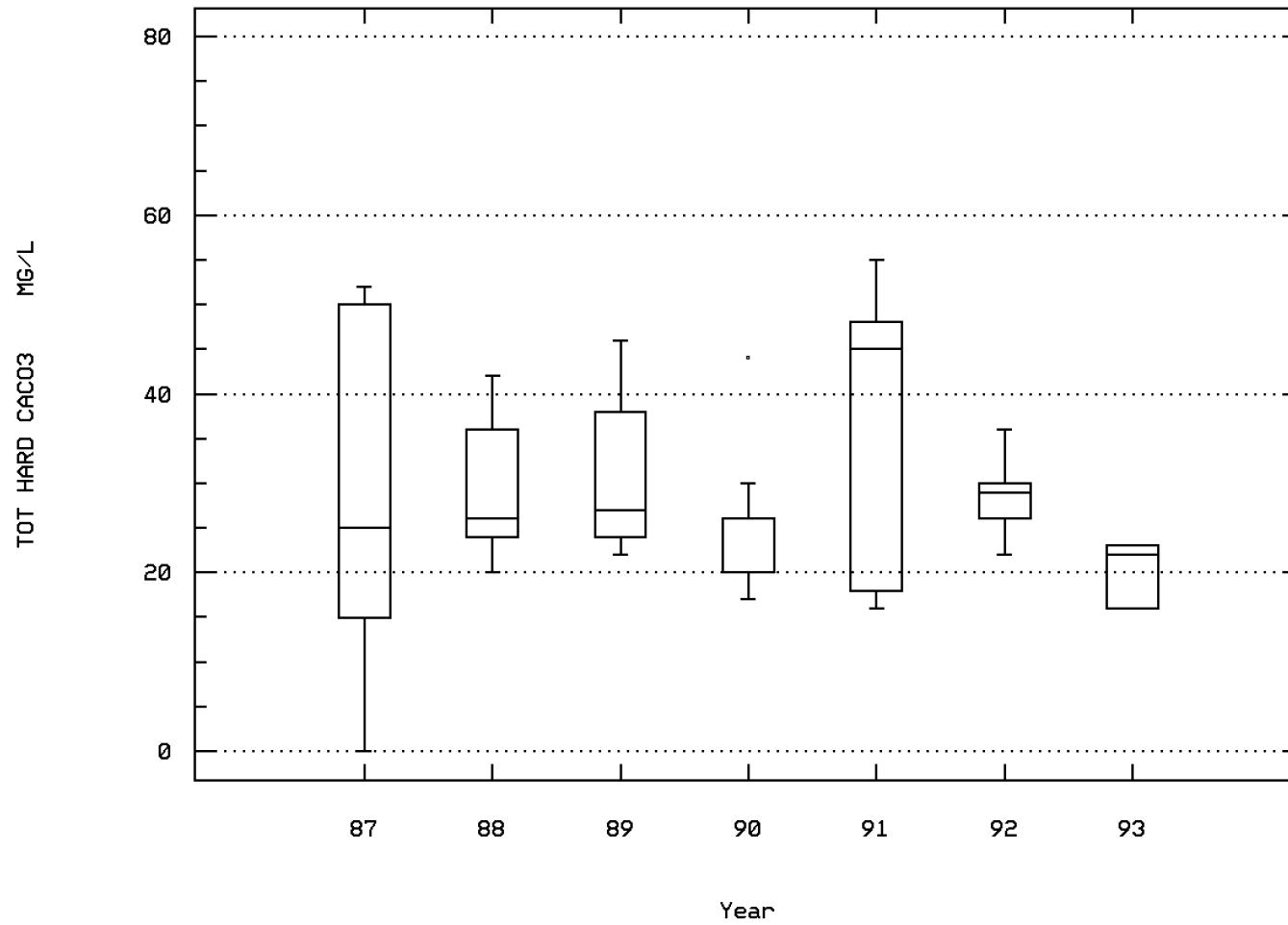
CARBON, TOTAL ORGANIC (MG/L AS C)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00900

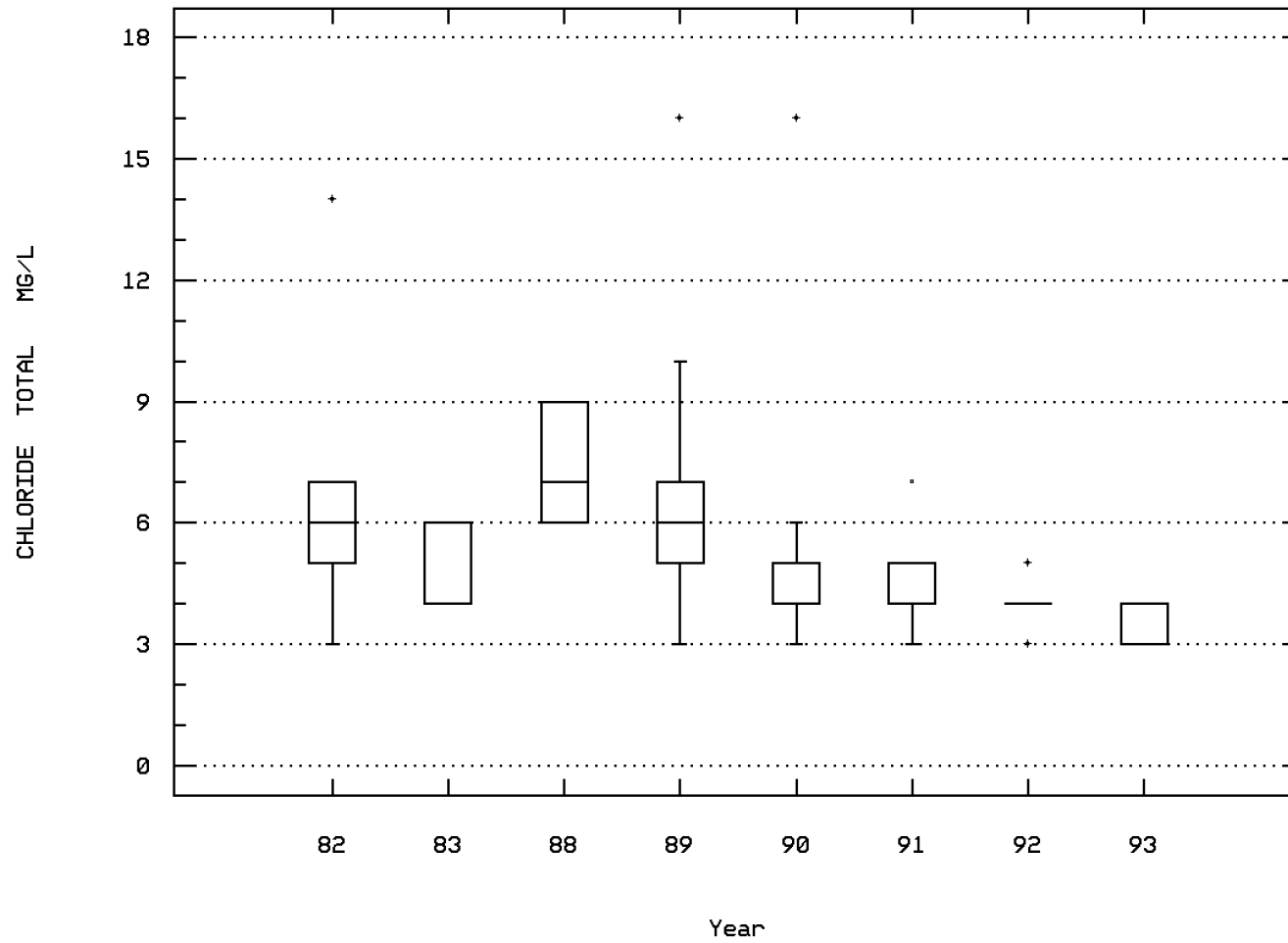
HARDNESS, TOTAL (MG/L AS CaCO3)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00940

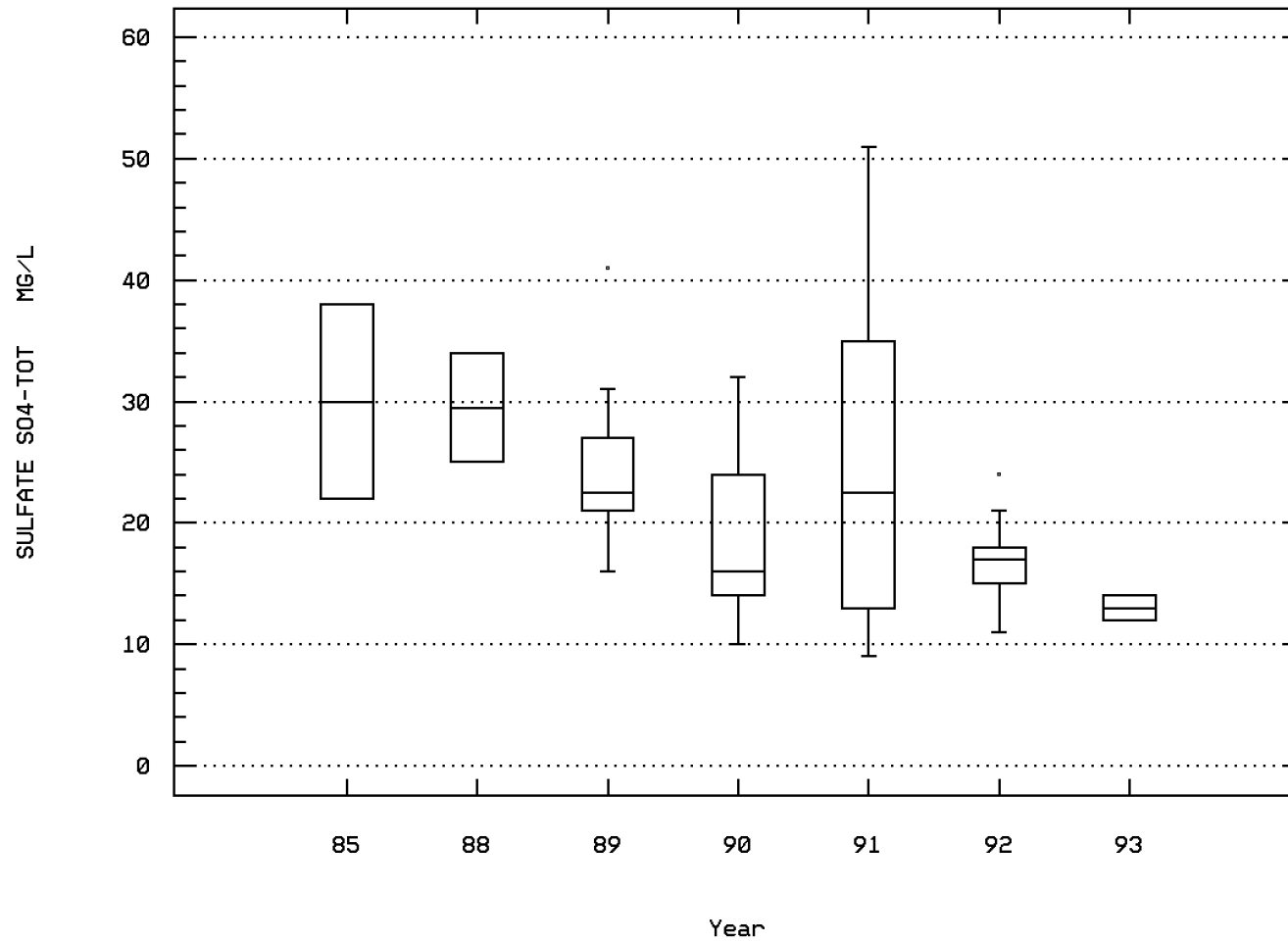
CHLORIDE, TOTAL IN WATER



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00945

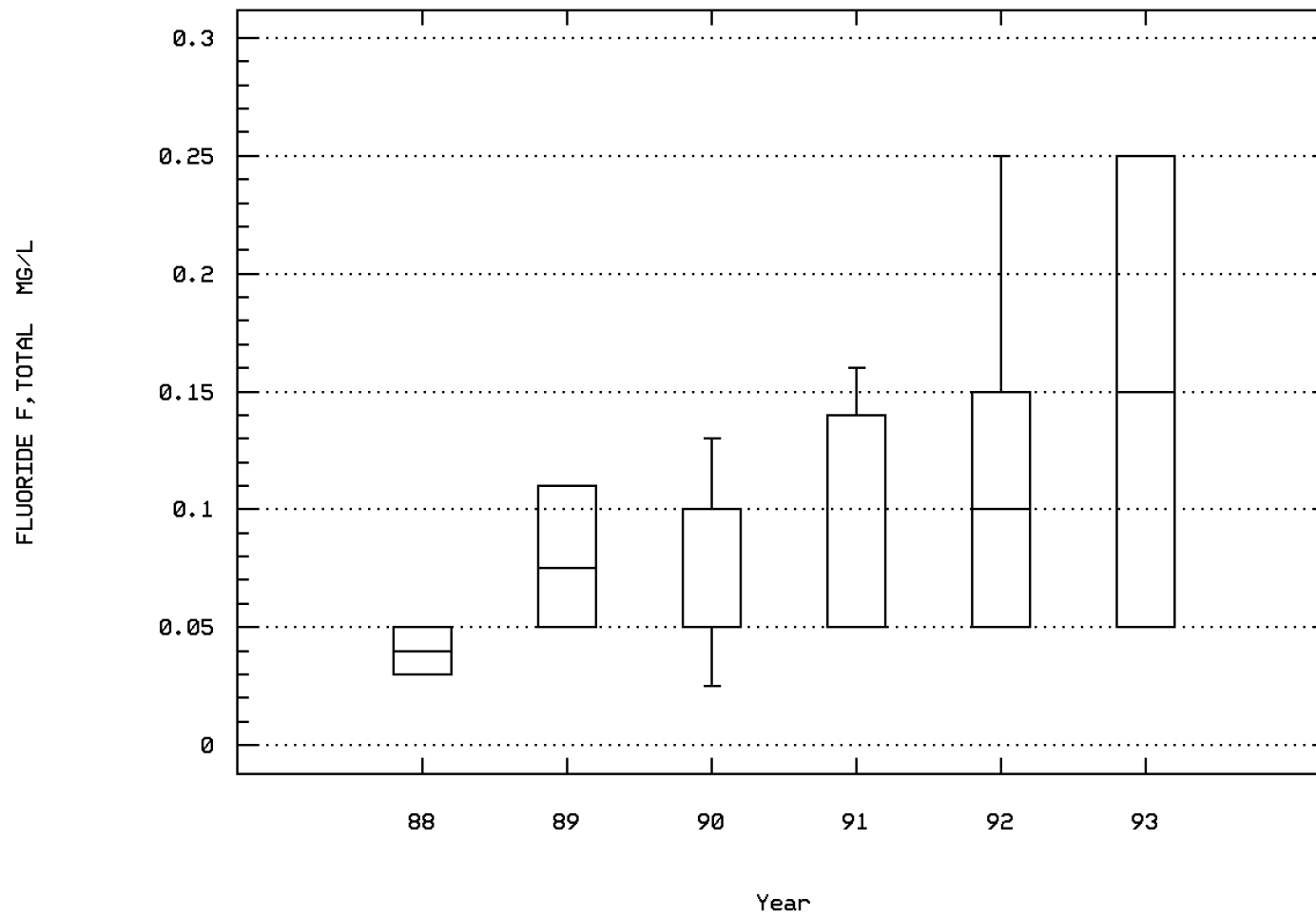
SULFATE, TOTAL (MG/L AS SO4)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00951

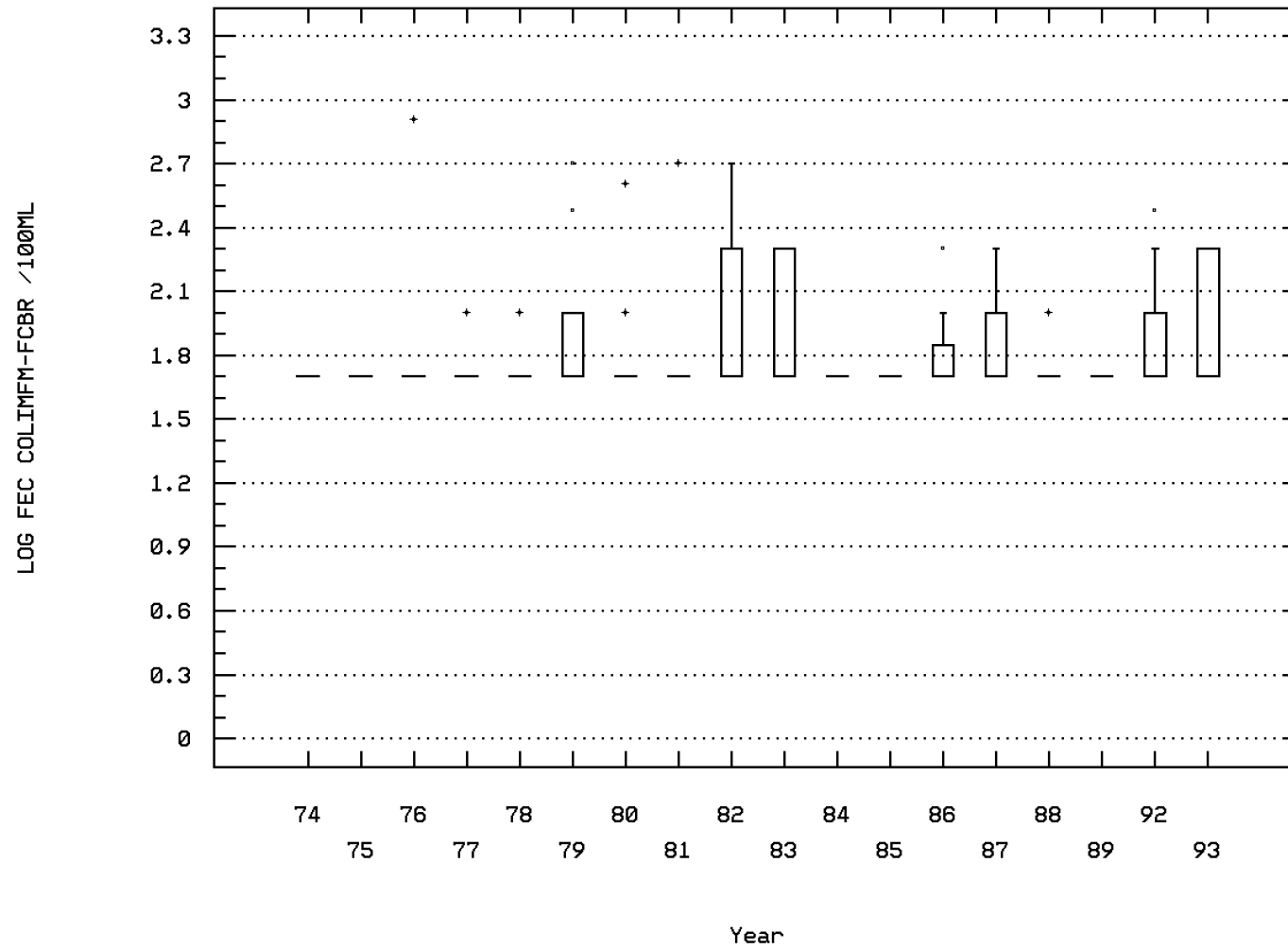
FLUORIDE, TOTAL (MG/L AS F)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 31616

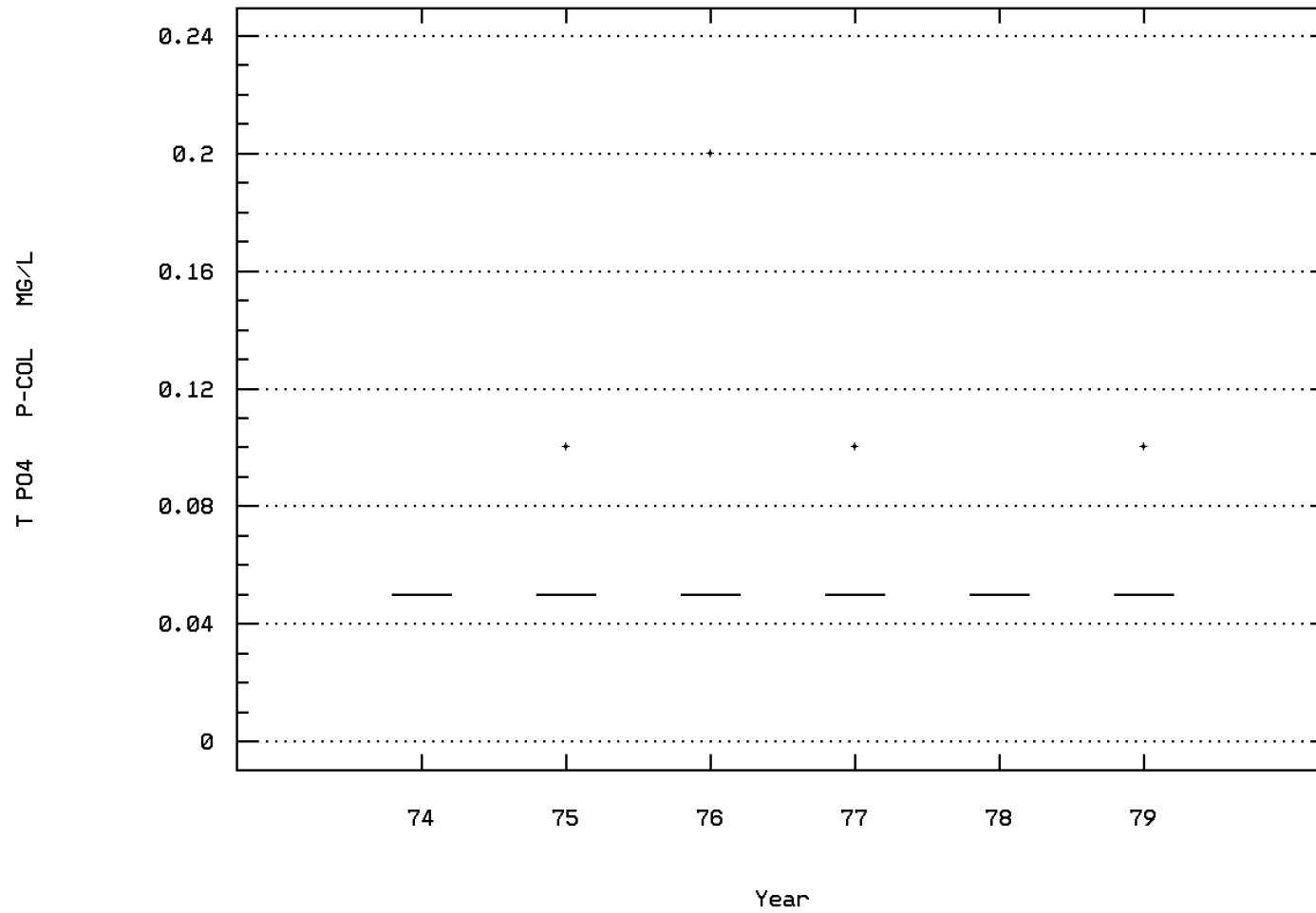
LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 70505

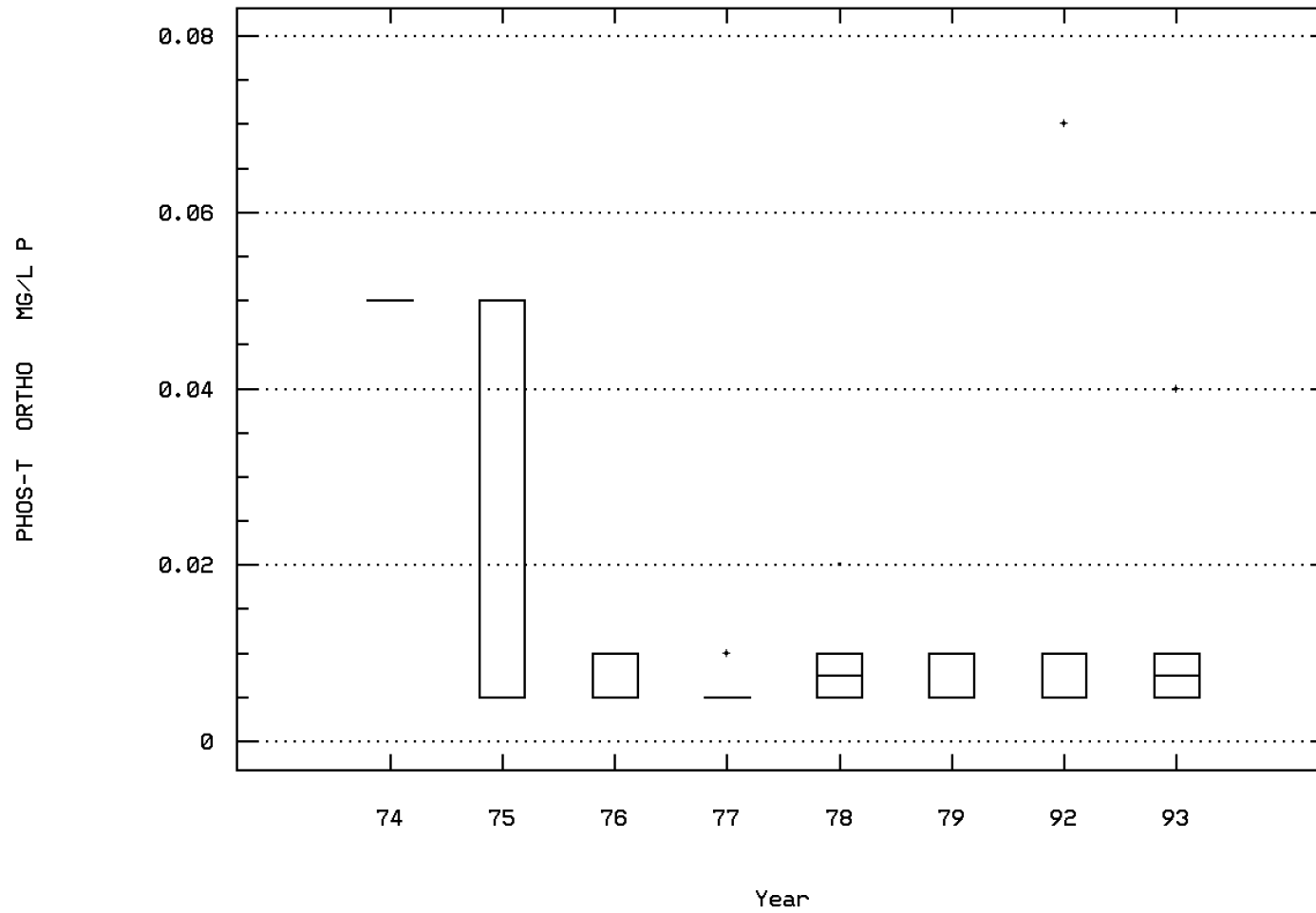
PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Station: PRWI0001 Parameter Code: 70507

PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Seasonal Analysis for Season #1: 10/01 to 3/15 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	84	5.5	7.537	20.	0.	29.489	5.43	1.15	3.35	11.7	15.75
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/26/82-04/14/92	29	9.3	14.855	52.	3.	132.977	11.532	5.6	8.	18.	33.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	54	85.	97.889	350.	56.	2336.44	48.337	62.5	72.75	98.	151.5
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	71	11.7	11.225	14.5	5.	3.712	1.927	8.7	9.7	12.5	13.38
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	61	1.	1.467	5.	0.5	0.591	0.768	1.	1.	2.	2.
00340	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	61	10.	11.467	30.	0.5	41.366	6.432	5.	7.	15.5	20.6
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	76	6.7	6.676	9.	4.8	0.393	0.627	6.	6.4	7.	7.4
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	76	6.7	6.113	9.	4.8	0.715	0.845	6.	6.4	7.	7.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	76	0.2	0.771	15.849	0.001	5.152	2.27	0.04	0.1	0.398	1.
00403	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	35	6.2	6.26	7.1	5.	0.186	0.431	5.62	6.1	6.4	6.92
00403	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	35	6.2	6.008	7.1	5.	0.251	0.501	5.62	6.1	6.4	6.92
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	35	0.631	0.981	10.	0.079	2.957	1.72	0.127	0.398	0.794	2.462
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	36	7.	6.778	14.	0.	9.206	3.034	2.	5.	8.	11.
00500	RESIDUE, TOTAL (MG/L)	07/17/79-04/06/93	24	79.	83.042	126.	61.	329.52	18.153	62.	66.5	97.25	112.5
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/17/79-04/06/93	24	18.	19.292	36.	4.	60.824	7.799	8.	14.25	25.	29.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/17/79-04/06/93	24	59.5	63.75	96.	39.	221.848	14.895	46.5	54.	73.75	89.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	61	10.	24.262	442.	2.5	3324.338	57.657	2.8	6.5	22.	46.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	61	4.	5.869	36.	1.	29.691	5.449	2.	2.5	7.5	13.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	61	5.	18.689	406.	0.5	2814.251	53.05	2.5	3.5	16.5	32.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	83 ##	0.05	0.074	0.7	0.01	0.007	0.085	0.04	0.05	0.08	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	83 ##	0.005	0.007	0.03	0.005	0.	0.005	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	70	0.05	0.091	1.78	0.01	0.052	0.229	0.02	0.025	0.07	0.127
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	83	0.2	0.247	0.8	0.05	0.016	0.127	0.1	0.2	0.3	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	61 ##	0.05	0.06	0.1	0.005	0.	0.022	0.05	0.05	0.05	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	54	0.01	0.012	0.05	0.005	0.	0.009	0.005	0.005	0.013	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	55	4.8	5.065	13.5	1.	6.043	2.458	2.12	3.6	6.	8.
00940	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	27	5.	5.852	16.	3.	10.362	3.219	3.8	4.	6.	10.4
00945	SULFATE, TOTAL (MG/L AS SO4)	08/06/85-04/06/93	23	21.	21.913	41.	9.	76.538	8.749	12.8	16.	25.	36.8
00955	SILICA, DISSOLVED (MG/L AS SiO2)	06/29/83-01/05/93	17	13.5	13.365	16.7	9.1	4.471	2.115	10.3	11.65	14.6	16.62
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	61 ##	50.	73.77	500.	50.	9633.88	98.152	50.	50.	50.	50.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	61 ##	1.699	1.758	2.699	1.699	0.049	0.222	1.699	1.699	1.699	1.699
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			57.282								
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/74-06/15/93	28 ##	0.005	0.014	0.05	0.005	0.	0.016	0.005	0.005	0.01	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 3/16 to 6/30 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	53	17.3	17.074	27.8	0.	29.182	5.402	9.52	13.5	21.2	23.24
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/26/82-04/14/92	15	12.1	13.6	39.	4.	63.074	7.942	5.8	9.4	16.3	26.1
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	31	81.	122.613	1210.	52.	41513.578	203.749	61.	65.	106.	154.
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	48	9.2	9.356	13.2	5.9	2.147	1.465	7.7	8.4	10.35	11.26
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	38	1.	1.447	9.	0.5	1.916	1.384	1.	1.	1.25	2.1
00340	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	36	9.	10.278	22.	3.	19.521	4.418	4.7	7.25	13.	16.3
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	50	6.6	6.602	7.51	5.5	0.141	0.375	6.206	6.337	6.825	7.19
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	50	6.6	6.432	7.51	5.5	0.171	0.413	6.206	6.337	6.825	7.19
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	50	0.251	0.37	3.162	0.031	0.219	0.468	0.065	0.15	0.46	0.623
00403	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	23	6.3	6.343	7.3	5.7	0.088	0.297	6.04	6.2	6.4	6.72
00403	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	23	6.3	6.26	7.3	5.7	0.095	0.309	6.04	6.2	6.4	6.72
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	23	0.501	0.549	1.995	0.05	0.142	0.377	0.196	0.398	0.631	0.918
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	23	7.	18.652	271.	1.	3031.146	55.056	4.4	6.	9.	11.8
00500	RESIDUE, TOTAL (MG/L)	07/17/79-04/06/93	14	69.	72.286	103.	60.	147.451	12.143	60.	64.	77.75	96.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/17/79-04/06/93	14	19.	18.571	28.	10.	33.341	5.774	10.	13.5	23.	27.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/17/79-04/06/93	14	50.	53.714	75.	40.	130.681	11.432	41.	46.	60.	74.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	37	9.	11.054	63.	2.5	104.803	10.237	2.5	5.5	13.5	19.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	36	3.	3.778	10.	0.5	5.735	2.395	1.7	2.	5.75	8.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 3/16 to 6/30 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	37	6.	7.459	54.	1.	76.116	8.724	2.5	3.	9.	12.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	55 ##	0.05	0.049	0.1	0.02	0.	0.021	0.02	0.04	0.05	0.088
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	55 ##	0.005	0.007	0.04	0.005	0.	0.005	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	45 ##	0.025	0.034	0.09	0.02	0.	0.016	0.02	0.025	0.045	0.054
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	55	0.2	0.293	0.9	0.05	0.03	0.174	0.1	0.2	0.4	0.54
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	40 ##	0.05	0.063	0.2	0.005	0.001	0.033	0.05	0.05	0.088	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	34	0.01	0.011	0.05	0.005	0.	0.009	0.005	0.005	0.01	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	35	4.2	4.38	7.	1.	3.183	1.784	1.6	3.	6.	7.
00940	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	13	4.	4.538	10.	3.	3.769	1.941	3.	3.5	4.5	8.8
00945	SULFATE, TOTAL (MG/L AS SO4)	08/06/85-04/06/93	13	17.	16.846	28.	9.	33.474	5.786	9.4	12.5	20.5	27.2
00955	SILICA, DISSOLVED (MG/L AS SiO2)	06/29/83-01/05/93	13	15.2	14.438	17.5	10.5	4.464	2.113	10.86	12.6	15.8	17.14
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	40 ##	50.	66.25	200.	50.	1716.346	41.429	50.	50.	50.	100.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	40 ##	1.699	1.774	2.301	1.699	0.031	0.177	1.699	1.699	1.699	2.
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			59.46								
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/74-06/15/93	21 ##	0.01	0.017	0.07	0.005	0.	0.02	0.005	0.005	0.015	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

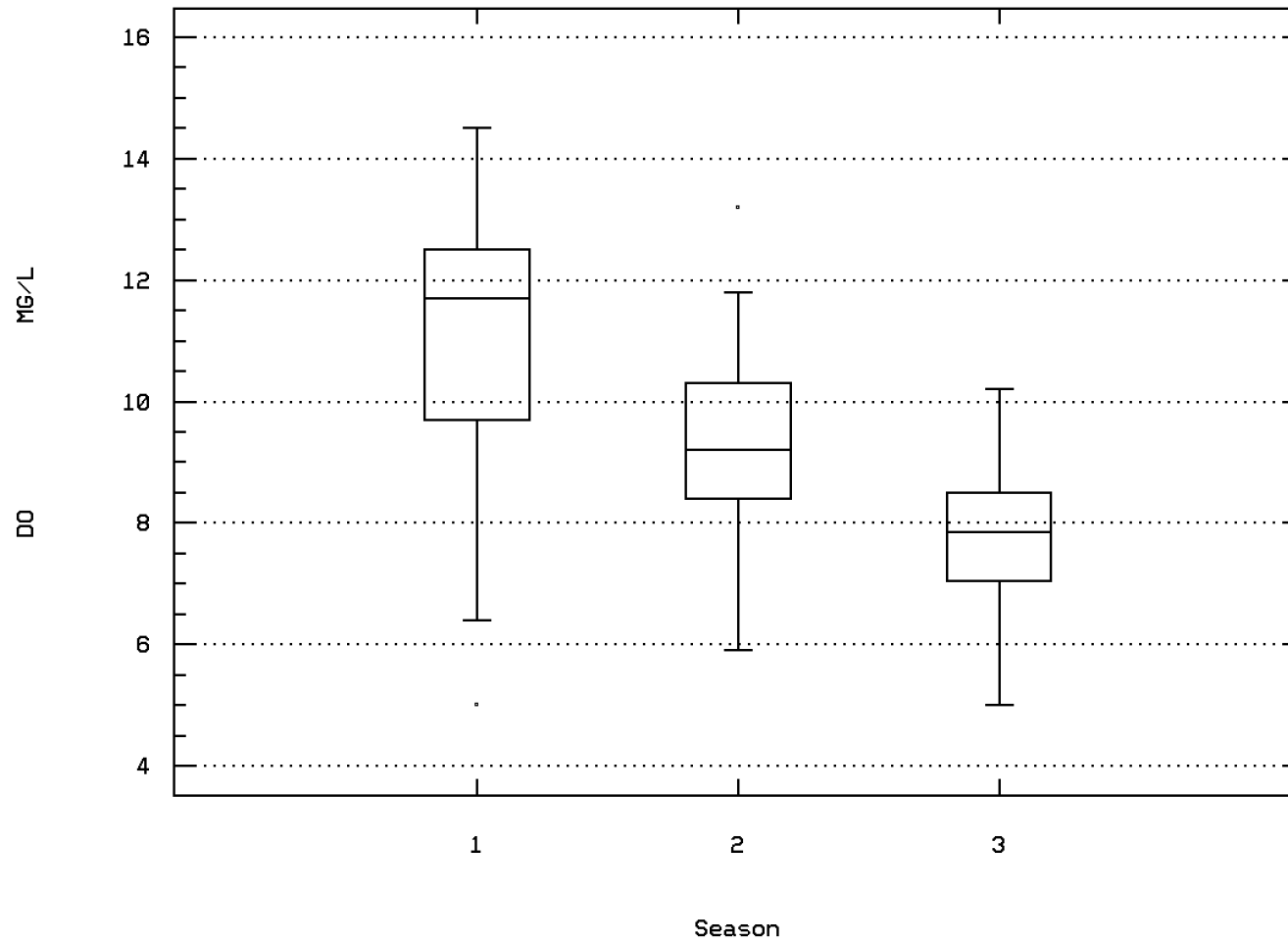
Seasonal Analysis for Season #3: 7/01 to 9/30 - Station PRWI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/74-07/13/93	48	23.3	22.563	28.8	0.6	26.278	5.126	18.72	21.325	25.	27.1
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/26/82-04/14/92	15	6.	7.46	17.	2.	20.984	4.581	2.42	4.2	9.1	17.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/17/79-07/13/93	31	100.	133.548	1128.	59.	34765.923	186.456	67.8	84.	114.	161.8
00300p	OXYGEN, DISSOLVED MG/L	09/12/74-10/02/91	44	7.85	7.693	10.2	5.	1.166	1.08	6.3	7.025	8.5	8.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/06/93	36	1.	1.236	4.	0.5	0.464	0.681	0.5	1.	1.75	2.
00340	COD, .25N K2CR2O7 MG/L	08/24/79-04/06/93	35	12.	11.771	35.	3.	42.182	6.495	4.6	7.	14.	18.8
00400p	PH (STANDARD UNITS)	09/12/74-07/13/93	45	6.7	6.558	7.5	5.3	0.247	0.497	5.8	6.3	6.91	7.14
00400p	CONVERTED PH (STANDARD UNITS)	09/12/74-07/13/93	45	6.7	6.221	7.5	5.3	0.363	0.603	5.8	6.3	6.91	7.14
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/74-07/13/93	45	0.2	0.601	5.012	0.032	1.126	1.061	0.073	0.123	0.501	1.585
00403	PH, LAB, STANDARD UNITS SU	07/14/82-04/06/93	24	6.35	6.296	7.	4.5	0.276	0.525	5.55	6.2	6.575	6.8
00403	CONVERTED PH, LAB, STANDARD UNITS	07/14/82-04/06/93	24	6.347	5.691	7.	4.5	0.658	0.811	5.55	6.2	6.575	6.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/82-04/06/93	24	0.45	2.039	31.623	0.1	42.101	6.489	0.158	0.267	0.631	4.472
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/14/82-04/06/93	23	9.	9.043	18.	1.	16.771	4.095	3.4	7.	12.	14.6
00500	RESIDUE, TOTAL (MG/L)	07/17/79-04/06/93	13	80.	125.077	600.	65.	20815.41	144.275	65.4	68.	111.	412.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/17/79-04/06/93	13	24.	59.231	500.	7.	17612.526	132.712	7.4	17.5	30.5	314.8
00510	RESIDUE, TOTAL FIXED (MG/L)	07/17/79-04/06/93	13	58.	65.846	104.	44.	432.141	20.788	44.8	48.	83.	102.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/17/79-04/06/93	36	6.	8.444	59.	0.5	98.94	9.947	2.5	2.625	11.5	15.9
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/17/79-04/06/93	36	3.	3.306	7.	0.	2.904	1.704	1.	2.5	4.	6.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/17/79-04/06/93	36	3.	5.667	55.	0.5	82.557	9.086	0.85	2.	6.75	11.3
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/74-06/15/93	47	0.05	0.075	0.4	0.02	0.003	0.059	0.04	0.05	0.1	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	48 ##	0.005	0.006	0.02	0.005	0.	0.003	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/74-06/15/93	43	0.05	0.07	0.58	0.02	0.01	0.099	0.02	0.025	0.07	0.112
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/74-06/15/93	48	0.3	0.308	0.7	0.1	0.016	0.127	0.2	0.2	0.4	0.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/79-06/15/93	36 ##	0.05	0.061	0.1	0.005	0.001	0.024	0.05	0.05	0.088	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/17/79-04/14/92	32	0.01	0.008	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/17/79-04/06/93	36	4.65	5.056	11.	2.1	4.586	2.141	2.82	4.	6.	7.87
00940	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	16	5.	5.688	14.	3.	6.629	2.575	3.	4.	6.75	9.1
00945	SULFATE, TOTAL (MG/L AS SO4)	08/06/85-04/06/93	11	24.	27.	51.	11.	188.8	13.74	11.6	15.	35.	50.8
00955	SILICA, DISSOLVED (MG/L AS SiO2)	06/29/83-01/05/93	13	12.6	20.046	113.	8.	784.146	28.003	9.2	11.2	13.85	74.48
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	35 ##	50.	127.143	800.	50.	25932.773	161.037	50.	50.	100.	340.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/12/74-05/11/93	35 ##	1.699	1.918	2.903	1.699	0.125	0.353	1.699	1.699	2.	2.527
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			82.837								
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/74-06/15/93	15 ##	0.005	0.013	0.05	0.005	0.	0.015	0.005	0.005	0.01	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PRWI0001 Parameter Code: 00300

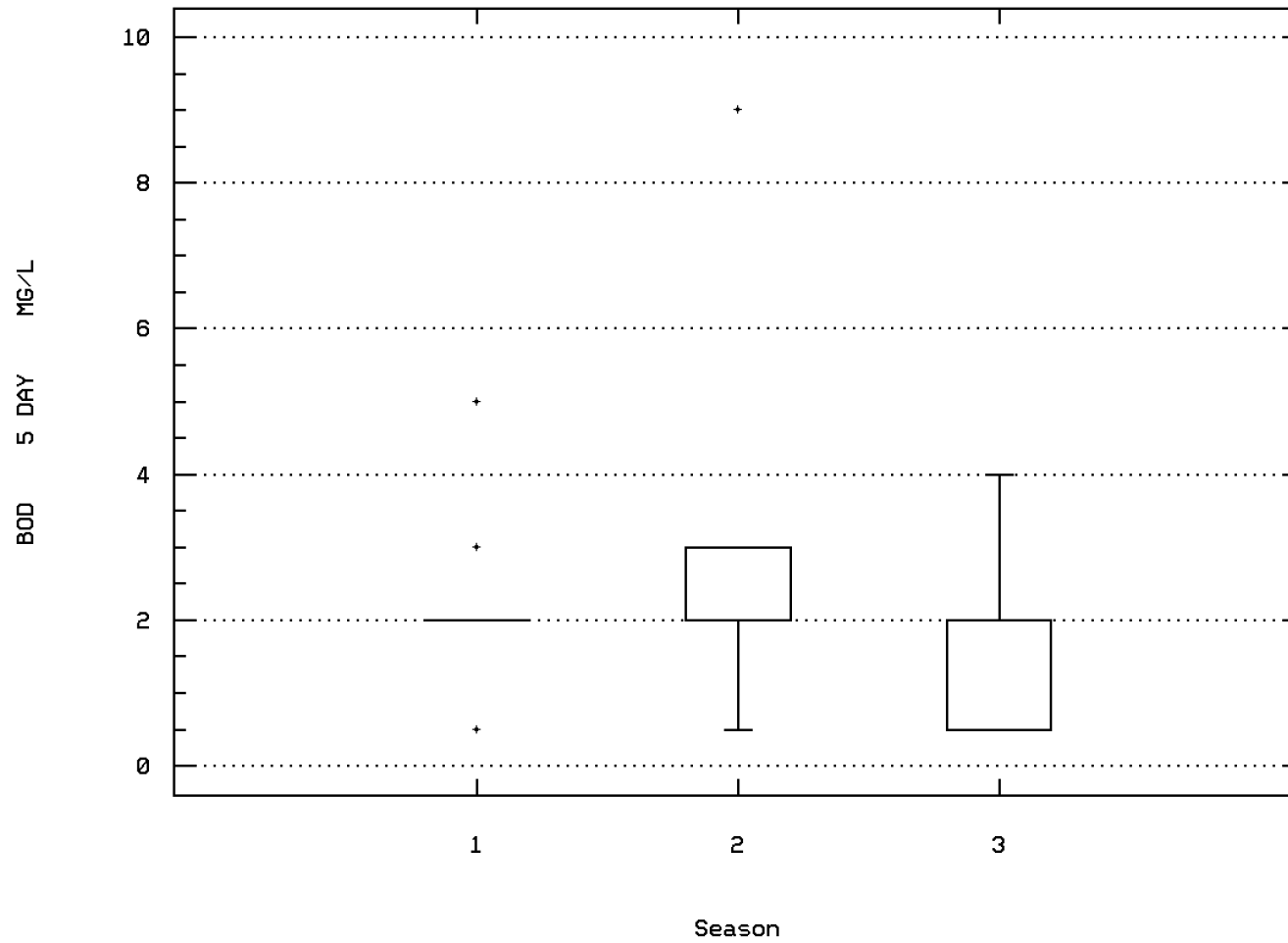
OXYGEN, DISSOLVED



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00310

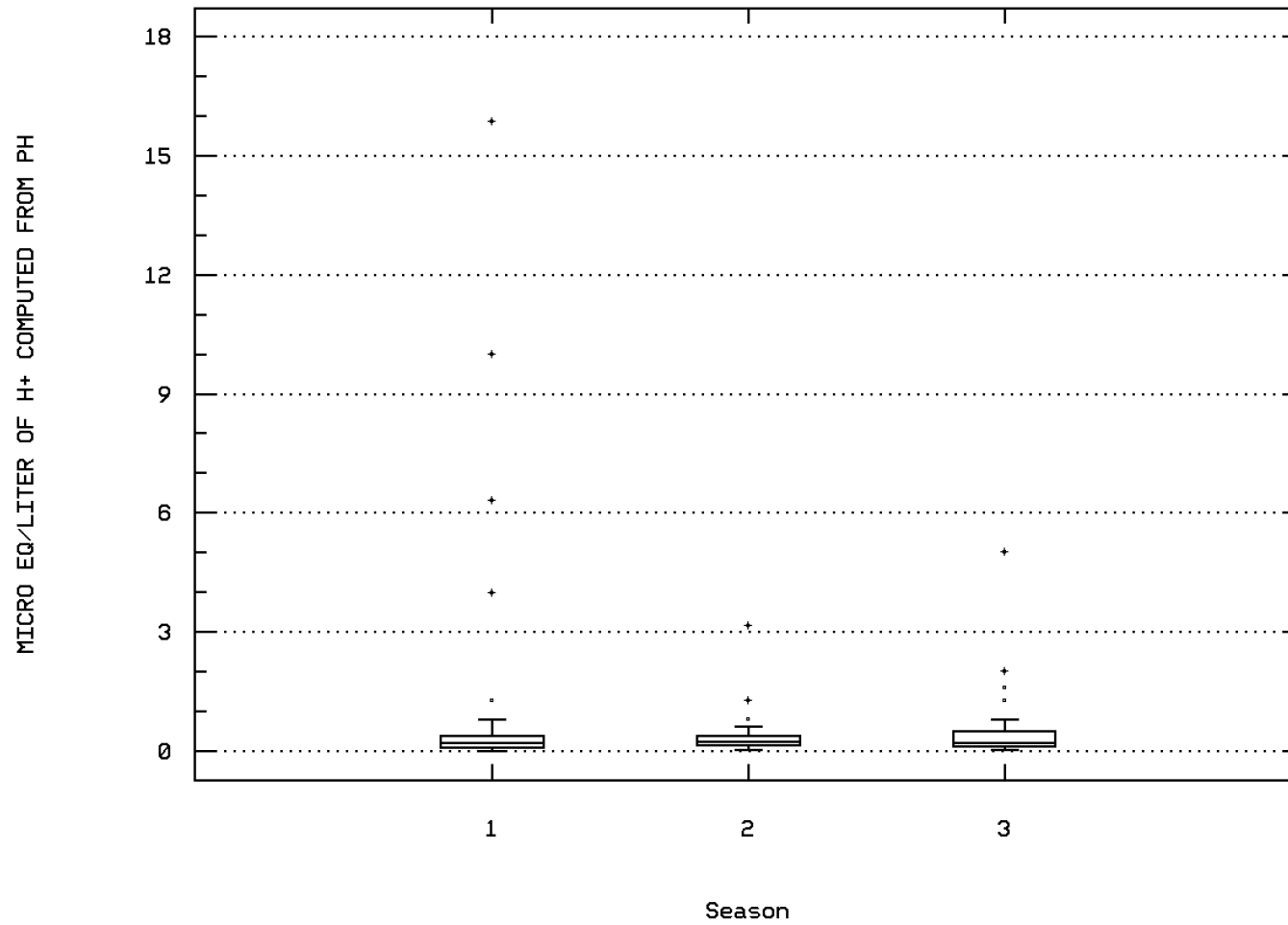
BOD, 5 DAY, 20 DEG C



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Station: PRWI0001 Parameter Code: 00400

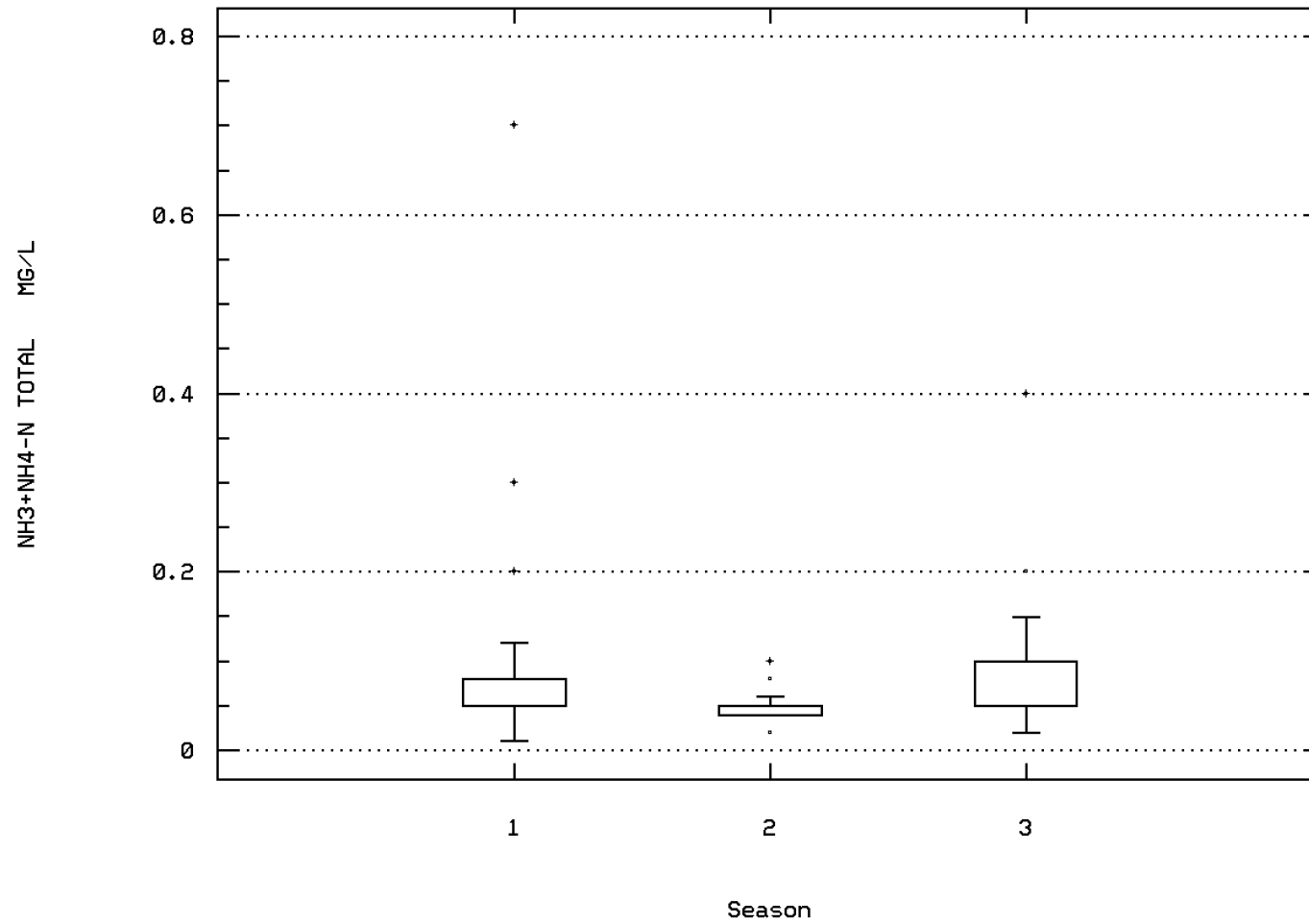
MICRO EQ/LITER OF H+ COMPUTED FROM PH



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Station: PRWI0001 Parameter Code: 00610

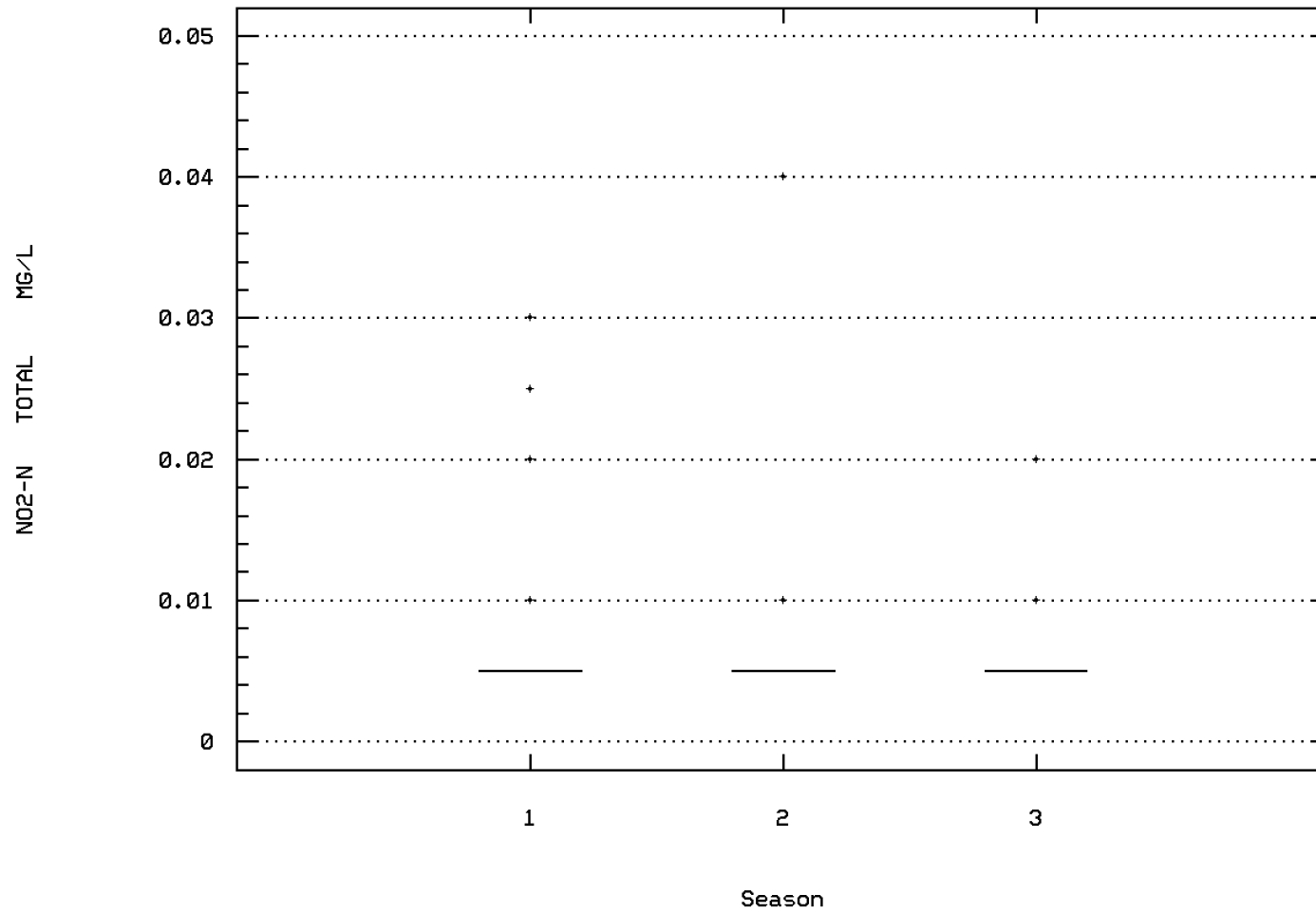
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Station: PRWI0001 Parameter Code: 00615

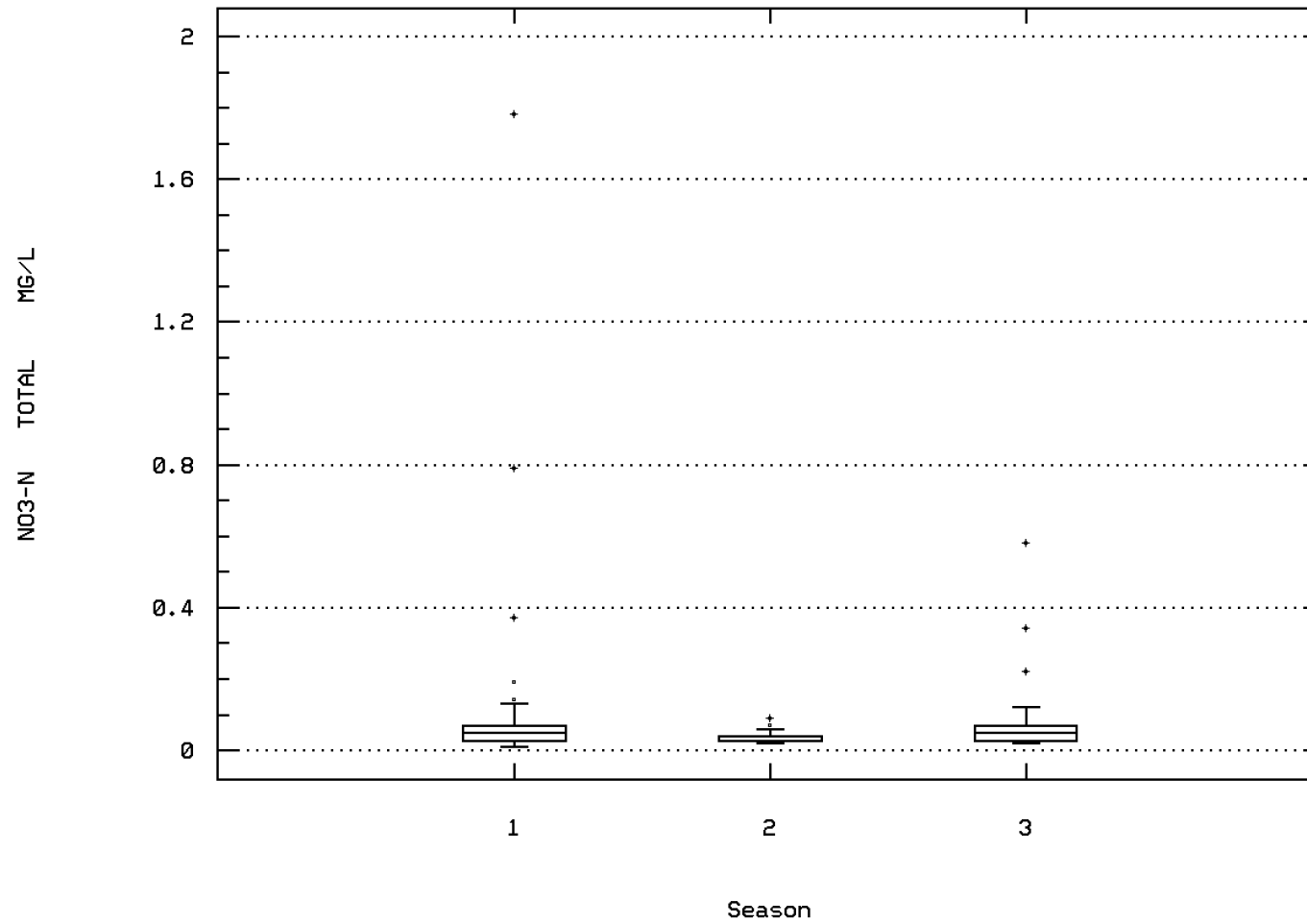
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Station: PRWI0001 Parameter Code: 00620

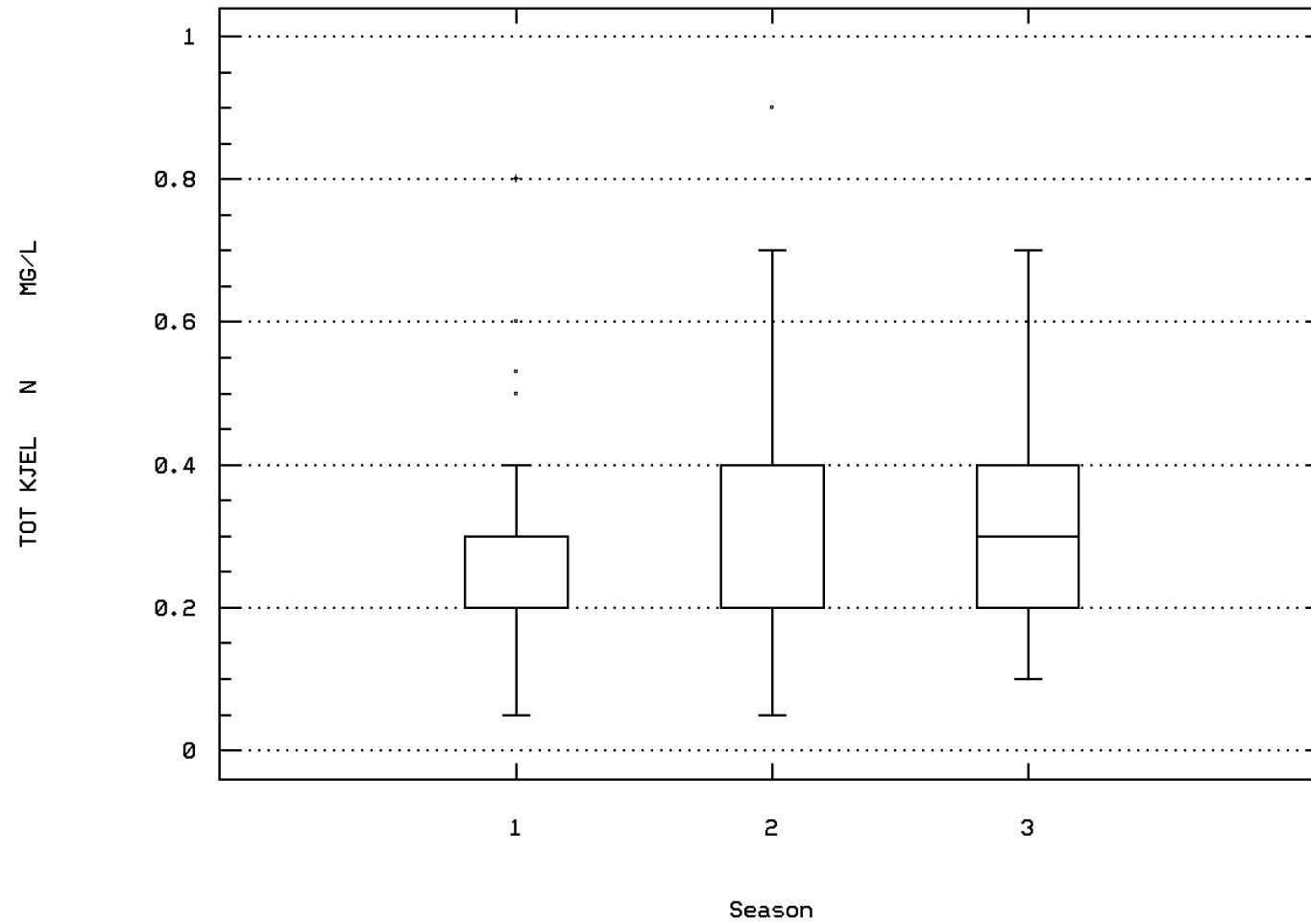
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO)

Station: PRWI0001 Parameter Code: 00625

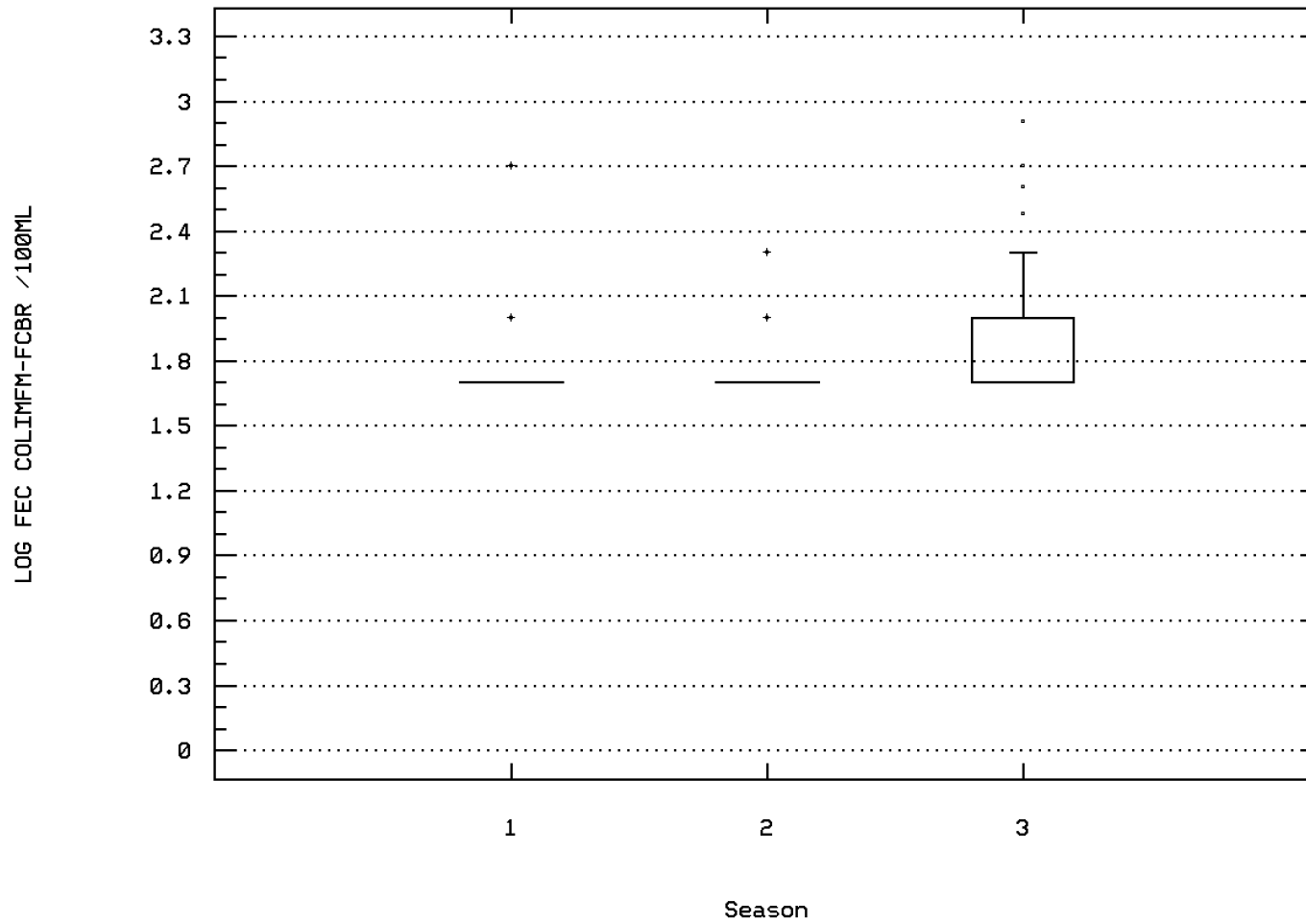
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Station: PRWI0001 Parameter Code: 31616

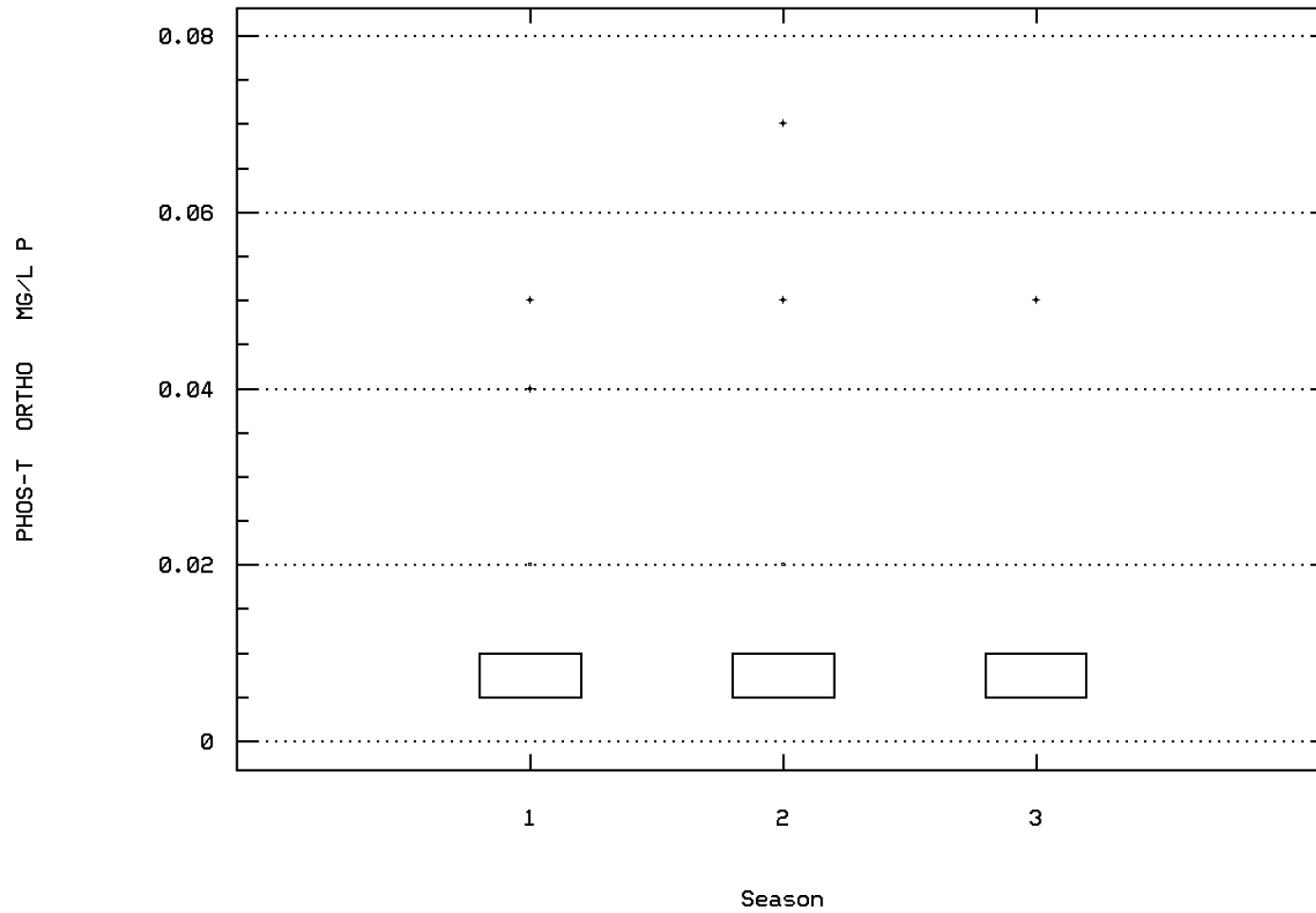
LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Station: PRWI0001 Parameter Code: 70507

PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/



RT. 1 BRIDGE (PRINCE WILLIAM-STAFFORD CO

Station Inventory for Station: PRWI0002

NPS Station ID: PRWI0002	LAT/LON: 38.523059/ -77.374171	Agency: 21VASWCB	Date Created: 03/13/93
Location: RUSSELL ROAD (STAFFORD CO)		FIPS State/County: 51179 VIRGINIA/STAFFORD	
Station Type: /TYPA/AMBNT/STREAM		STORET Station ID(s): 1ACH0004.64	
RMI-Indexes:		Within Park Boundary: No	
RMI-Miles:			
HUC: 02070011	Depth of Water: 0	Aquifer:	
Major Basin: 02-NORTH ATLANTIC	Elevation: 0	Water Body Id:	
Minor Basin: 1-POTOMAC-SHENANDOAH		ECO Region:	
RF1 Index: 02070011	RF1 Mile Point: 0.000	Distance from RF1: 10.80	On/Off RF1:
RF3 Index: 02070011007800.16	RF3 Mile Point: 0.15	Distance from RF3: 0.49	On/Off RF3:
Description:			
VIRGINIA STATE WATER CONTROL BOARD	AMBIENT MONITORING	BASIN: 1A POTOMAC	REGION: 3 NORTHERN
RIVER: CHOPAWAMSIC CREEK	SECTION: 05A	TOPO MAP #: 0043	TOPO MAP NAME: QUANTICO, VA - MD

Parameter Inventory for Station: PRWI0002

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300 OXYGEN, DISSOLVED MG/L	06/05/75-06/28/79	3	8.1	7.667	8.2	6.7	0.703	0.839	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	06/05/75-06/28/79	3	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	06/05/75-07/14/75	2	43.5	43.5	47.	40.	24.5	4.95	**	**	**	**
00400 PH (STANDARD UNITS)	06/05/75-06/28/79	3	6.4	6.467	6.7	6.3	0.043	0.208	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/05/75-06/28/79	3	6.4	6.436	6.7	6.3	0.045	0.211	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/05/75-06/28/79	3	0.398	0.366	0.501	0.2	0.024	0.153	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	06/05/75-06/28/79	3	6.1	6.3	6.8	6.	0.19	0.436	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	06/05/75-06/28/79	3	6.1	6.186	6.8	6.	0.209	0.458	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/05/75-06/28/79	3	0.794	0.651	1.	0.158	0.192	0.439	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	06/05/75-06/28/79	3	12.	10.667	15.	5.	26.333	5.132	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	06/05/75-06/28/79	3	96.	97.	137.	58.	1561.	39.509	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/05/75-06/28/79	3	46.	53.333	88.	26.	1001.333	31.644	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	06/05/75-06/28/79	3	49.	43.667	70.	12.	862.333	29.366	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/05/75-06/28/79	3	12.	31.333	72.	10.	1241.333	35.233	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/05/75-06/28/79	3	8.	8.333	14.	3.	30.333	5.508	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/05/75-06/28/79	3	9.	23.	58.	2.	931.	30.512	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/75-06/28/79	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	06/05/75-06/28/79	3 ##	0.005	0.01	0.02	0.005	0.	0.009	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	06/05/75-06/28/79	3 ##	0.025	0.06	0.13	0.025	0.004	0.061	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/05/75-06/28/79	3	0.5	0.4	0.6	0.1	0.07	0.265	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	06/05/75-06/28/79	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/05/75-06/28/79	3 ##	0.05	0.037	0.05	0.01	0.001	0.023	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	06/05/75-06/28/79	3	11.	13.	20.	8.	39.	6.245	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	06/05/75-07/14/75	2	3.5	3.5	5.	2.	4.5	2.121	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/14/75-07/14/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0002

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED																
	Fresh Acute	4.	3	0	0.00				2	0	0.00	1	0	0.00			
00400	PH								2	0	0.00	1	0	0.00			
	Other-Hi Lim.	9.	3	0	0.00												
	Other-Lo Lim.	6.5	3	2	0.67				2	1	0.50	1	1	1.00			
00403	PH, LAB								2	0	0.00	1	0	0.00			
	Other-Hi Lim.	9.	3	0	0.00												
	Other-Lo Lim.	6.5	3	2	0.67				2	1	0.50	1	1	1.00			
00615	NITRITE NITROGEN, TOTAL AS N								2	0	0.00	1	0	0.00			
	Drinking Water	1.	3	0	0.00												
00620	NITRATE NITROGEN, TOTAL AS N								2	0	0.00	1	0	0.00			
	Drinking Water	10.	3	0	0.00												
00940	CHLORIDE, TOTAL IN WATER																
	Fresh Acute	860.	2	0	0.00				1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)																
	Drinking Water	400.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: PRWI0003

NPS Station ID: PRWI0003

Location: CAMP MAINSIDE GREY RESERVOIR

Station Type: /RESERV/TYPA/MUN/INTAKE/AMBNT/SUPPLY

RMI-Indexes: 0214001 002070

RMI-Miles: 0079.16 0003.99

HUC: 02070011

Major Basin: NORTH ATLANTIC

Minor Basin: POTOMAC

RF1 Index: 02070011

RF3 Index: 02070011008700.83

Description:

SYMBOL SUPPLY TREATMENT STORAGE PLANNING DATA

DRAIN STORAGE PROCESS EXISTING/ UTILITY POP SAFE DEMAND

(SQM) CAP(MGD) (MGD)

LAT/LON: 38.526392/ -77.391670

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 3.25

Agency: 21VASWCB

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): MAIN GREY @WR3

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.40

Distance from RF3: 0.01

On/Off RF1:

On/Off RF3:

Date Created: 02/06/82

Parameter Inventory for Station: PRWI0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
***** No Parameter Data Available for this Station *****												

Station Inventory for Station: PRWI0004

NPS Station ID: PRWI0004

Location: CAMP MAINSIDE BRECKENRIDGE RESERVOIR

Station Type: /RESERV/TYPA/MUN/INTAKE/AMBNT/SUPPLY

RMI-Indexes: 0214001 002070

RMI-Miles: 0079.16 0005.15

HUC: 02070011

Major Basin: NORTH ATLANTIC

Minor Basin: POTOMAC

RF1 Index: 02070011

RF3 Index: 02070011007802.79

Description:

SYMBOL SUPPLY TREATMENT STORAGE PLANNING DATA

DRAIN STORAGE PROCESS EXISTING/ UTILITY POP SAFE DEMAND

(SQM) CAP(MGD) (MGD)

LAT/LON: 38.536115/ -77.391670

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 2.78

Agency: 21VASWCB

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): BRECKENRG@WRI2

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.80

Distance from RF3: 0.15

On/Off RF1:

On/Off RF3:

Date Created: 02/06/82

Parameter Inventory for Station: PRWI0004

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
***** No Parameter Data Available for this Station *****												

Station Inventory for Station: PRWI0005

NPS Station ID: PRWI0005	LAT/LON: 38.539726/ -77.426115	Agency: 21VASWCB	Date Created: 03/13/93
Location: SOUTH BRANCH CHOPAWAMSIK CREEK		FIPS State/County: 51179 VIRGINIA/STAFFORD	
Station Type: /TYPA/AMBNT/STREAM		STORET Station ID(s): 1ASOB001.80	
RMI-Indexes:		Within Park Boundary: No	
RMI-Miles:			
HUC: 02070011	Depth of Water: 0	Aquifer:	
Major Basin: 02-NORTH ATLANTIC	Elevation: 0	Water Body Id:	
Minor Basin: 1-POTOMAC-SHENANDOAH		ECO Region:	
RF1 Index: 02070011	RF1 Mile Point: 0.000	Distance from RF1: 10.80	On/Off RF1:
RF3 Index: 02070011007800.16	RF3 Mile Point: 0.15	Distance from RF3: 0.49	On/Off RF3:
Description:			
VIRGINIA STATE WATER CONTROL BOARD	AMBIENT MONITORING	BASIN: 1A POTOMAC	REGION: 3 NORTHERN
RIVER: SOUTH BRANCH CHOPAWAMSIK CREEK	SECTION: 05B	TOPO MAP #: 0043	TOPO MAP NAME: JOPLIN, VA

Parameter Inventory for Station: PRWI0005

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300 OXYGEN, DISSOLVED MG/L	06/05/75-07/14/75	2	7.15	7.15	7.7	6.6	0.605	0.778	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	06/05/75-07/14/75	2 ##	1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	06/05/75-07/14/75	2	20.	20.	28.	12.	128.	11.314	**	**	**	**
00400 PH (STANDARD UNITS)	06/05/75-07/14/75	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/05/75-07/14/75	2	6.26	6.26	7.	6.	0.616	0.785	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/05/75-07/14/75	2	0.55	0.55	1.	0.1	0.405	0.636	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	06/05/75-07/14/75	2	6.3	6.3	6.9	5.7	0.72	0.849	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	06/05/75-07/14/75	2	5.974	5.974	6.9	5.7	0.932	0.965	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/05/75-07/14/75	2	1.061	1.061	1.995	0.126	1.747	1.322	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	06/05/75-07/14/75	2	13.	13.	24.	2.	242.	15.556	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	06/05/75-07/14/75	2	86.5	86.5	97.	76.	220.5	14.849	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/05/75-07/14/75	2	23.	23.	25.	21.	8.	2.828	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	06/05/75-07/14/75	2	63.5	63.5	76.	51.	312.5	17.678	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/05/75-07/14/75	2	47.	47.	72.	22.	1250.	35.355	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/05/75-07/14/75	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/05/75-07/14/75	2	36.	36.	62.	10.	1352.	36.77	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/75-07/14/75	2	0.7	0.7	1.3	0.1	0.72	0.849	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	06/05/75-07/14/75	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	06/05/75-07/14/75	2 ##	0.183	0.183	0.34	0.025	0.05	0.223	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/05/75-07/14/75	2	1.5	1.5	2.4	0.6	1.62	1.273	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	06/05/75-07/14/75	2 ##	0.575	0.575	1.1	0.05	0.551	0.742	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/05/75-07/14/75	2 ##	0.325	0.325	0.6	0.05	0.151	0.389	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	06/05/75-07/14/75	2	9.5	9.5	10.	9.	0.5	0.707	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	06/05/75-07/14/75	2	7.	7.	11.	3.	32.	5.657	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/14/75-07/14/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0005

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00				1	0	0.00	1	0	0.00			
00400 PH	Other-Hi Lim.	9.	2	0	0.00				1	0	0.00	1	0	0.00			
	Other-Lo Lim.	6.5	2	1	0.50				1	0	0.00	1	1	1.00			
00403 PH, LAB	Other-Hi Lim.	9.	2	0	0.00				1	0	0.00	1	0	0.00			
	Other-Lo Lim.	6.5	2	1	0.50				1	0	0.00	1	1	1.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00				1	0	0.00	1	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00				1	0	0.00	1	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				1	0	0.00	1	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: PRWI0006

NPS Station ID: PRWI0006
 Location: ROUTE 1 (PRINCE WILLIAM CO)
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 1-POTOMAC-SHENANDOAH
 RF1 Index: 02070011
 RF3 Index: 02070011007800.16

LAT/LON: 38.546392/ -77.336670

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.15

Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 1A POTOMAC REGION: 3 NORTHERN
 RIVER: LITTLE CREEK SECTION: 07 TOPO MAP #: 0043 TOPO MAP NAME: QUANTICO, VA - MD

Agency: 21VASWCB
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 1ALIE003.60
 Within Park Boundary: No

Date Created: 04/10/93

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 10.80
 Distance from RF3: 0.49

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: PRWI0006

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/30/89-05/30/89	1	19.9	19.9	19.9	19.9	0.	0.	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)	05/30/89-05/30/89	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	05/30/89-05/30/89	1	197.	197.	197.	197.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	05/30/89-05/30/89	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	05/30/89-05/30/89	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	05/30/89-05/30/89	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	05/30/89-05/30/89	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/30/89-05/30/89	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/30/89-05/30/89	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	05/30/89-05/30/89	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	05/30/89-05/30/89	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/30/89-05/30/89	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/89-05/30/89	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	05/30/89-05/30/89	1	137.	137.	137.	137.	0.	0.	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	05/30/89-05/30/89	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	05/30/89-05/30/89	1	91.	91.	91.	91.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/30/89-05/30/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/30/89-05/30/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/30/89-05/30/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/30/89-05/30/89	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/30/89-05/30/89	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/30/89-05/30/89	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/30/89-05/30/89	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/30/89-05/30/89	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/30/89-05/30/89	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/30/89-05/30/89	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	05/30/89-05/30/89	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	05/30/89-05/30/89	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/30/89-05/30/89	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00951 FLUORIDE, TOTAL (MG/L AS F)	05/30/89-05/30/89	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	05/30/89-05/30/89	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/30/89-05/30/89	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/30/89-05/30/89	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: PRWI0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	05/30/89-05/30/89	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/30/89-05/30/89	1	860.	860.	860.	860.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/30/89-05/30/89	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/30/89-05/30/89	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/30/89-05/30/89	1	60.	60.	60.	60.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/30/89-05/30/89	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0006

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00			1	0	0.00						
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00			1	0	0.00						
00400	PH	Other-Hi Lim.	9.	1	0	0.00			1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00			1	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00			1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00			1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00			1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00			1	0	0.00						
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00			1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00			1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00			1	0	0.00						
		Drinking Water	50.	1	0	0.00			1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00			1	1	1.00						
		Drinking Water	5.	1	1	1.00			1	1	1.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00			1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00											
		Drinking Water	1300.	1	0	0.00			1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00			1	0	0.00						
		Drinking Water	5.	0 &	0	0.00											
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00			1	0	0.00						
		Drinking Water	100.	1	0	0.00			1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00			1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00			1	0	0.00						
		Drinking Water	2.	1	0	0.00			1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: PRWI0007

NPS Station ID: PRWI0007
 Location: ROUTE 619 (STAFFORD CO)
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:

LAT/LON: 38.557504/ -77.424448

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 1AMIP000.40
 Within Park Boundary: No

Date Created: 03/13/93

HUC: 02070011
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 1-POTOMAC-SHENANDOAH
 RF1 Index: 02070011
 RF3 Index: 02070011007800.16

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.15

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 10.80
 Distance from RF3: 0.49

On/Off RF1:
 On/Off RF3:

Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: MIDDLE BRANCH CHOPAWANSIC CREEK

AMBIENT MONITORING
 SECTION: 05B

BASIN: 1A POTOMAC
 TOPO MAP #: 0042 TOPO MAP NAME: JOPLIN, VA

REGION: 3 NORTHERN

Parameter Inventory for Station: PRWI0007

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300 OXYGEN, DISSOLVED MG/L	06/05/75-07/14/75	2	7.3	7.3	8.5	6.1	2.88	1.697	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	06/05/75-07/14/75	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	06/05/75-07/14/75	2	20.	20.	32.	8.	288.	16.971	**	**	**	**
00400 PH (STANDARD UNITS)	06/05/75-07/14/75	2	6.1	6.1	6.3	5.9	0.08	0.283	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/05/75-07/14/75	2	6.055	6.055	6.3	5.9	0.084	0.29	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/05/75-07/14/75	2	0.88	0.88	1.259	0.501	0.287	0.536	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	06/05/75-07/14/75	2	5.95	5.95	6.6	5.3	0.845	0.919	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	06/05/75-07/14/75	2	5.58	5.58	6.6	5.3	1.119	1.058	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/05/75-07/14/75	2	2.632	2.632	5.012	0.251	11.332	3.366	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	06/05/75-07/14/75	2	6.5	6.5	11.	2.	40.5	6.364	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	06/05/75-07/14/75	2	178.	178.	261.	95.	13778.	117.38	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/05/75-07/14/75	2	46.5	46.5	73.	20.	1404.5	37.477	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	06/05/75-07/14/75	2	131.5	131.5	188.	75.	6384.5	79.903	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/05/75-07/14/75	2	57.	57.	82.	32.	1250.	35.355	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/05/75-07/14/75	2	7.	7.	8.	6.	2.	1.414	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/05/75-07/14/75	2	50.	50.	74.	26.	1152.	33.941	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/75-07/14/75	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	06/05/75-07/14/75	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	06/05/75-07/14/75	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/05/75-07/14/75	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	06/05/75-07/14/75	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/05/75-07/14/75	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	06/05/75-07/14/75	2	12.5	12.5	16.	9.	24.5	4.95	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	06/05/75-07/14/75	2	3.	3.	3.	3.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/14/75-07/14/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0007

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00				1	0	0.00	1	0	0.00			
00400 PH	Other-Hi Lim.	9.	2	0	0.00				1	0	0.00	1	0	0.00			
	Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00403 PH, LAB	Other-Hi Lim.	9.	2	0	0.00				1	0	0.00	1	0	0.00			
	Other-Lo Lim.	6.5	2	1	0.50				1	0	0.00	1	1	1.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00				1	0	0.00	1	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00				1	0	0.00	1	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				1	0	0.00	1	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: PRWI0008

NPS Station ID: PRWI0008

Location: S F QUANTICO CREEK TRIB NO 5 NEAR DUMFRIES, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011071800.00

Description:

LAT/LON: 38.563615/ -77.357781

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 2.33

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658625

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 11.30

Distance from RF3: 0.02

Date Created: 05/19/84

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0008

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-06/25/85	30	10.5	10.5	21.	0.	41.017	6.404	0.65	5.	16.	19.85
00061 FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-06/25/85	33	0.3	0.456	2.	0.03	0.236	0.486	0.084	0.15	0.65	1.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-06/25/85	30	67.5	68.1	83.	55.	32.852	5.732	63.1	65.	70.25	75.
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-03/26/85	21	5.	15.667	101.	1.	590.533	24.301	1.2	2.5	16.	53.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0009

NPS Station ID: PRWI0009
 Location: ROUTE 619 (STAFFORD CO)
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:

LAT/LON: 38.565003/ -77.426115

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 1ANOR009.87
 Within Park Boundary: No

Date Created: 03/13/93

HUC: 02070011
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 1-POTOMAC-SHENANDOAH
 RF1 Index: 02070011
 RF3 Index: 02070011007800.16

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.15

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 10.80
 Distance from RF3: 0.49

On/Off RF1:
 On/Off RF3:

Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 1A POTOMAC REGION: 3 NORTHERN
 RIVER: NORTH BRANCH CHOPAWAMSIK CREEK SECTION: 05B TOPO MAP #: 0042 TOPO MAP NAME: JOPLIN, VA

Parameter Inventory for Station: PRWI0009

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300 OXYGEN, DISSOLVED MG/L	06/05/75-06/28/79	3	8.	7.533	8.6	6.	1.853	1.361	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	06/05/75-06/28/79	3	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	06/05/75-07/14/75	2	18.	18.	32.	4.	392.	19.799	**	**	**	**
00400 PH (STANDARD UNITS)	06/05/75-06/28/79	3	6.8	6.5	7.1	5.6	0.63	0.794	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/05/75-06/28/79	3	6.8	6.038	7.1	5.6	0.95	0.975	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/05/75-06/28/79	3	0.158	0.917	2.512	0.079	1.91	1.382	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	06/05/75-06/28/79	3	6.6	6.233	6.8	5.3	0.663	0.814	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	06/05/75-06/28/79	3	6.6	5.743	6.8	5.3	1.024	1.012	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/05/75-06/28/79	3	0.251	1.807	5.012	0.158	7.705	2.776	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	06/05/75-06/28/79	3	15.	11.667	18.	2.	72.333	8.505	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	06/05/75-06/28/79	3	80.	91.667	137.	58.	1662.333	40.772	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/05/75-06/28/79	3	43.	35.333	47.	16.	284.333	16.862	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	06/05/75-06/28/79	3	42.	56.333	90.	37.	856.333	29.263	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/05/75-06/28/79	3	36.	38.667	76.	4.	1301.333	36.074	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/05/75-06/28/79	3	14.	10.833	18.	0.5	84.083	9.17	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/05/75-06/28/79	3	22.	28.	58.	4.	756.	27.495	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/75-06/28/79	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	06/05/75-06/28/79	3 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	06/05/75-06/28/79	3 ##	0.025	0.043	0.08	0.025	0.001	0.032	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/05/75-06/28/79	3	0.4	0.367	0.6	0.1	0.063	0.252	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	06/05/75-06/28/79	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/05/75-06/28/79	3 ##	0.05	0.037	0.05	0.01	0.001	0.023	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	06/05/75-06/28/79	3	12.	13.333	20.	8.	37.333	6.11	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	06/05/75-07/14/75	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/14/75-07/14/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0009

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED																
	Fresh Acute	4.	3	0	0.00				2	0	0.00	1	0	0.00			
00400	PH								2	0	0.00	1	0	0.00			
	Other-Hi Lim.	9.	3	0	0.00												
	Other-Lo Lim.	6.5	3	1	0.33				2	0	0.00	1	1	1.00			
00403	PH, LAB								2	0	0.00	1	0	0.00			
	Other-Hi Lim.	9.	3	0	0.00												
	Other-Lo Lim.	6.5	3	1	0.33				2	0	0.00	1	1	1.00			
00615	NITRITE NITROGEN, TOTAL AS N								2	0	0.00	1	0	0.00			
	Drinking Water	1.	3	0	0.00												
00620	NITRATE NITROGEN, TOTAL AS N								2	0	0.00	1	0	0.00			
	Drinking Water	10.	3	0	0.00												
00940	CHLORIDE, TOTAL IN WATER																
	Fresh Acute	860.	2	0	0.00				1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)																
	Drinking Water	400.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: PRWI0010

NPS Station ID: PRWI0010
 Location: RT. 1 (BUSINESS) BRIDGE
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes: 0214001 002110
 RMI-Miles: 0081.70 0004.46
 HUC: 02070011
 Major Basin: 02-NORTH-ATLANTIC
 Minor Basin: 1-POTOMAC-SHENANDOAH
 RF1 Index: 02070011086
 RF3 Index: 02070011008300.42
 Description:

LAT/LON: 38.565560/ -77.329170

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 1.930
 RF3 Mile Point: 0.42

Agency: 21VASWCB
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 1AQUA004.46 /VA1A07-X0107/VA1A3X0107
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.40
 Distance from RF3: 0.01

On/Off RF1: OFF
 On/Off RF3:

VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 1A POTOMAC REGION: 3 NORTHERN VIRGINIA
 RIVER: QUANTICO CREEK SECTION: 07 TOPO MAP #: 0043 TOPO MAP NAME: QUANTICO, VA - MD

Parameter Inventory for Station: PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	220	14.4	13.865	33.8	0.	68.584	8.282	2.71	6.	21.5	24.09
00070 TURBIDITY, (JACKSON CANDLE UNITS)	10/26/82-04/14/92	61	5.2	8.78	95.	1.8	166.047	12.886	2.36	3.5	9.6	17.16
00078 TRANSPARENCY, SECCHI DISC (METERS)	12/21/82-12/21/82	1	71.	71.	71.	71.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	02/13/91-01/05/93	24	56.5	61.208	195.	28.	1213.911	34.841	33.	37.25	69.25	100.
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	118	76.	87.39	420.	13.	2531.18	50.311	59.	65.75	92.5	122.1
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/10/89-04/06/93	37	69.	73.351	116.	54.	205.623	14.34	59.8	64.	81.5	95.4
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/03/91-07/13/93	20	9.65	9.755	12.8	6.7	2.767	1.663	7.11	8.8	11.175	12.4
00300p OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	198	9.85	10.188	18.4	6.2	4.333	2.082	7.8	8.475	11.8	13.11
00310p BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	137	1.	1.383	5.	0.5	0.608	0.779	0.5	1.	2.	2.
00340 COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	136	9.	9.919	41.	0.5	38.749	6.225	4.	6.	12.	17.
00400p PH (STANDARD UNITS)	01/24/72-07/13/93	204	6.8	6.868	9.2	5.5	0.223	0.472	6.3	6.6	7.1	7.4
00400p CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	204	6.8	6.635	9.2	5.5	0.278	0.527	6.3	6.6	7.1	7.4
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	204	0.158	0.232	3.162	0.001	0.132	0.363	0.04	0.079	0.251	0.501
00403p PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	84	6.6	6.513	7.5	1.9	0.46	0.679	6.1	6.5	6.7	7.
00403p CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	84	6.6	3.821	7.5	1.9	7.794	2.792	6.1	6.5	6.7	7.
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	84	0.251	150.964	12589.254	0.032	1886472.209	1373.489	0.1	0.2	0.316	0.815
00405 CARBON DIOXIDE (MG/L AS CO2)	01/30/72-01/30/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	84	13.	16.417	261.	0.	754.439	27.467	8.	10.	17.	20.5
00500 RESIDUE, TOTAL (MG/L)	07/10/79-04/06/93	53	66.	88.642	800.	46.	10860.042	104.212	52.	60.	79.	104.8
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-04/06/93	53	18.	21.868	200.	5.	726.501	26.954	7.	11.	24.	27.6
00510 RESIDUE, TOTAL FIXED (MG/L)	07/10/79-04/06/93	52	50.	66.923	600.	38.	6288.151	79.298	40.	43.	60.75	83.6
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	135	2.5	11.867	202.	0.5	1053.702	32.461	1.5	2.5	7.	20.8
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	135 ##	2.5	4.556	198.	0.5	293.167	17.122	1.	1.5	3.	5.4
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	134 ##	2.5	8.84	182.	0.	640.22	25.303	0.5	1.875	4.	16.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	214 ##	0.05	0.057	0.4	0.005	0.002	0.045	0.02	0.05	0.05	0.1
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	216 ##	0.005	0.007	0.1	0.005	0.	0.008	0.005	0.005	0.005	0.01
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	190 ##	0.025	0.048	1.1	0.005	0.007	0.084	0.02	0.02	0.05	0.09
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	215	0.2	0.252	1.2	0.05	0.025	0.158	0.1	0.2	0.3	0.4
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/07/76-06/18/79	26 ##	0.025	0.04	0.1	0.025	0.001	0.025	0.025	0.025	0.05	0.093
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	138 ##	0.05	0.06	0.2	0.005	0.001	0.025	0.05	0.05	0.05	0.1
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	122	0.01	0.012	0.07	0.005	0.	0.011	0.005	0.005	0.01	0.02
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	130	4.	4.706	22.	1.	10.187	3.192	2.	3.	5.5	7.
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	65	24.	30.677	290.	14.	1150.941	33.926	18.	21.	28.	44.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00929 SODIUM, TOTAL (MG/L AS NA)	08/27/84-08/27/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	07/14/82-04/06/93	57	4.	5.754	37.	2.	40.831	6.39	2.	3.	5.	10.4
00945 SULFATE, TOTAL (MG/L AS SO4)	11/09/88-04/06/93	46	11.5	12.87	30.	6.	18.427	4.293	8.	10.	15.25	18.
00951 FLUORIDE, TOTAL (MG/L AS F)	11/09/88-04/06/93	43 ##	0.05	0.091	0.25	0.025	0.003	0.058	0.05	0.05	0.12	0.15
00955 SILICA, DISSOLVED (MG/L AS SiO2)	06/29/83-01/05/93	44	14.1	14.393	20.	9.7	5.563	2.358	11.1	12.55	16.2	17.35
01002 ARSENIC, TOTAL (UG/L AS AS)	01/30/72-03/10/93	22 ##	1.	1.818	5.	0.5	2.823	1.68	0.5	0.5	2.5	5.
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/12/80-10/12/89	7	3.9	7.221	25.7	0.5	82.295	9.072	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	07/07/83-03/10/93	5 ##	2.5	3.1	5.	0.5	3.675	1.917	**	**	**	**
01013 BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/05/83-10/12/89	3	0.5	0.997	2.	0.49	0.755	0.869	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	01/30/72-03/10/93	24 ##	5.	5.938	50.	0.5	93.376	9.663	0.5	2.125	5.	8.5
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-10/12/89	7	0.54	0.524	0.79	0.085	0.067	0.259	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-10/12/89	7	16.7	18.551	31.2	5.	97.551	9.877	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	01/30/72-03/10/93	28 ##	5.	5.304	25.	0.5	20.006	4.473	0.5	5.	5.	10.
01042 COPPER, TOTAL (UG/L AS CU)	01/30/72-03/10/93	29	20.	22.724	70.	5.	445.564	21.108	5.	5.	30.	70.
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/12/80-10/12/89	7	186.	174.214	269.	59.	6889.321	83.002	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	11/28/78-03/10/93	9	1000.	1102.667	1810.	574.	234664.	484.421	574.	625.	1585.	1810.
01051 LEAD, TOTAL (UG/L AS PB)	01/30/72-03/10/93	28 ##	5.	7.554	70.	1.	170.08	13.041	1.	2.	5.	16.5
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/12/80-10/12/89	7	38.3	46.2	105.	5.	1323.8	36.384	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/12/89-10/12/89	1	57.	57.	57.	57.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	11/28/78-03/10/93	9	80.	145.267	310.	60.	10346.14	101.716	60.	68.7	240.	310.
01059 THALLIUM, TOTAL (UG/L AS TL)	07/07/83-03/10/93	5 ##	5.	5.1	10.	0.5	11.3	3.362	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	01/18/73-04/25/79	11 ##	50.	41.818	50.	5.	331.364	18.203	5.	50.	50.	50.
01067 NICKEL, TOTAL (UG/L AS NI)	10/02/79-03/10/93	13 ##	5.	16.538	70.	5.	430.769	20.755	5.	5.	22.5	62.
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-10/12/89	7	5.9	7.586	14.4	2.	24.398	4.939	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	10/03/88-10/03/88	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	01/30/72-03/10/93	29	100.	140.552	660.	5.	15143.47	123.059	40.	80.	190.	280.
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/12/80-10/12/89	7	335.	288.129	448.9	26.	24147.782	155.396	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/07/83-03/10/93	6 ##	5.	4.667	10.	0.5	10.167	3.189	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/05/83-10/12/89	4	3.9	4.45	8.	2.	8.81	2.968	**	**	**	**
01170 IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/12/89-10/12/89	1	6060.	6060.	6060.	6060.	0.	0.	**	**	**	**
31506 COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/14/82-10/13/83	10	1215.	2327.3	11000.	93.	11123488.456	3335.189	104.7	210.	2875.	10330.
31506 LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/14/82-10/13/83	10	3.072	2.955	4.041	1.968	0.464	0.681	2.004	2.322	3.444	4.001
31506 GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			902.507								
31614 FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/14/82-04/14/92	20	150.	438.2	2300.	9.	420616.905	648.55	15.3	19.25	490.	1670.
31614 LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/14/82-04/14/92	20	2.176	2.111	3.362	0.954	0.588	0.767	1.184	1.282	2.69	3.222
31614 GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			129.061								
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/24/72-05/11/93	168 ##	50.	296.131	8000.	50.	699401.108	836.302	50.	50.	200.	600.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/24/72-05/11/93	168 ##	1.699	2.037	3.903	1.699	0.244	0.494	1.699	1.699	2.301	2.778
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			108.884								
32234 CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	05/12/72-05/12/72	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
32240 TANNIN AND LIGNIN (MG/L)	05/12/92-12/08/92	6	0.55	0.55	0.8	0.4	0.023	0.152	**	**	**	**
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34351 ENDOSULFAN SULFATE TOTWUG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34356 ENDOSULFAN, BETA TOTWUG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34366 ENDRIN ALDEHYDE TOTWUG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34480 THALLIUM DRY WGTBOTMG/KG	05/05/83-10/12/89	4 ##	1.95	2.675	5.8	1.	5.142	2.268	**	**	**	**
34671 PCB - 1016 TOTWUG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
38442 DICAMBA (BANVEL) WATER,DISSUG/L	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451 DICHLORPROP WATER,SUSPUG/L	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38745 2,4-DB WATER, TOTUG/L	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/26/79-07/14/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39061 PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/10/85-08/11/86	2	10.	10.	10.	10.	0.	0.	**	**	**	**
39062 CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39065 CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39068 CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39071 CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39300 P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39305 O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39310 P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39315 O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39320 P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39327 ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/03/74-07/14/86	9	0.	0.012	0.05	0.	0.	0.022	0.	0.	0.03	0.05
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/21/81-05/25/84	4	0.	0.005	0.02	0.	0.	0.01	**	**	**	**
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338 BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340 GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/10/85-08/11/86	2	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-08/11/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-08/11/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-08/11/86	2	100.	100.	100.	100.	0.	0.	**	**	**	**
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	05/03/74-07/14/86	7	0.	0.017	0.05	0.	0.001	0.024	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/10/85-08/11/86	2	100.	100.	100.	100.	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/26/79-07/14/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39393 ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/10/85-08/11/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/10/85-08/11/86	2	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
39410 HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/10/85-08/11/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39500 PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/08/85-07/14/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39516 PCBs IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39526 PCBs TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/10/85-08/11/86	2	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/27/82-07/07/83	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39631 ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/21/81-05/25/84	4	0.	0.025	0.1	0.	0.003	0.05	**	**	**	**
39700 HEXACHLORO BENZENE IN WHOLE WATER SAMPLE (UG/L)	09/26/79-08/31/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39730 2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39740 2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39760 SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
46570 HARDNESS, CA MG CALCULATED (MG/L AS CaCO3)	03/10/93-03/10/93	1	17.	17.	17.	17.	0.	0.	**	**	**	**
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	01/24/72-05/22/86	16	0.	0.038	0.5	0.	0.016	0.126	0.	0.	0.	0.22
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	01/24/72-06/18/79	77 ##	0.05	0.076	1.3	0.05	0.022	0.15	0.05	0.05	0.05	0.05
70507p PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	93 ##	0.01	0.021	0.06	0.005	0.	0.019	0.005	0.005	0.05	0.05
71900 MERCURY, TOTAL (UG/L AS HG)	01/30/72-03/10/93	28 ##	0.2	0.234	1.2	0.15	0.038	0.196	0.15	0.15	0.25	0.25
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/21/81-10/12/89	6 ##	0.075	0.091	0.2	0.045	0.004	0.059	**	**	**	**
77825 ALACHLOR WHOLE WATER,UG/L	07/08/85-07/14/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82032 CALCIUM - TOTAL UG/L (AS Ca)	03/10/93-03/10/93	1	3640.	3640.	3640.	3640.	0.	0.	**	**	**	**
82078 TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/12/92-04/06/93	11	7.	21.882	116.	3.9	1319.108	36.32	3.94	4.9	8.	106.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0010

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----	-----3/16-6/30-----	-----7/01-9/30-----	-----n/a-----
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	61	1	0.02	Obs 30 Exceed 1 Prop. 0.03	Obs 14 Exceed 0 Prop. 0.00	Obs 17 Exceed 0 Prop. 0.00	Obs 17 Exceed 0 Prop. 0.00
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	20	0	0.00	Obs 10 Exceed 0 Prop. 0.00	Obs 6 Exceed 0 Prop. 0.00	Obs 4 Exceed 0 Prop. 0.00	Obs 4 Exceed 0 Prop. 0.00
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	198	0	0.00	Obs 87 Exceed 0 Prop. 0.00	Obs 57 Exceed 0 Prop. 0.00	Obs 54 Exceed 0 Prop. 0.00	Obs 54 Exceed 0 Prop. 0.00
00400 PH	Other-Hi Lim.	9.	204	1	0.00	Obs 92 Exceed 0 Prop. 0.00	Obs 56 Exceed 0 Prop. 0.00	Obs 56 Exceed 1 Prop. 0.02	Obs 56 Exceed 1 Prop. 0.02
	Other-Lo Lim.	6.5	204	42	0.21	Obs 92 Exceed 20 Prop. 0.22	Obs 56 Exceed 9 Prop. 0.16	Obs 56 Exceed 13 Prop. 0.23	Obs 56 Exceed 13 Prop. 0.23
00403 PH, LAB	Other-Hi Lim.	9.	84	0	0.00	Obs 36 Exceed 0 Prop. 0.00	Obs 22 Exceed 0 Prop. 0.00	Obs 26 Exceed 0 Prop. 0.00	Obs 26 Exceed 0 Prop. 0.00
	Other-Lo Lim.	6.5	84	33	0.39	Obs 36 Exceed 17 Prop. 0.47	Obs 22 Exceed 6 Prop. 0.27	Obs 26 Exceed 10 Prop. 0.38	Obs 26 Exceed 10 Prop. 0.38
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	216	0	0.00	Obs 98 Exceed 0 Prop. 0.00	Obs 62 Exceed 0 Prop. 0.00	Obs 56 Exceed 0 Prop. 0.00	Obs 56 Exceed 0 Prop. 0.00
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	190	0	0.00	Obs 87 Exceed 0 Prop. 0.00	Obs 52 Exceed 0 Prop. 0.00	Obs 51 Exceed 0 Prop. 0.00	Obs 51 Exceed 0 Prop. 0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	26	0	0.00	Obs 11 Exceed 0 Prop. 0.00	Obs 10 Exceed 0 Prop. 0.00	Obs 5 Exceed 0 Prop. 0.00	Obs 5 Exceed 0 Prop. 0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	57	0	0.00	Obs 28 Exceed 0 Prop. 0.00	Obs 12 Exceed 0 Prop. 0.00	Obs 17 Exceed 0 Prop. 0.00	Obs 17 Exceed 0 Prop. 0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

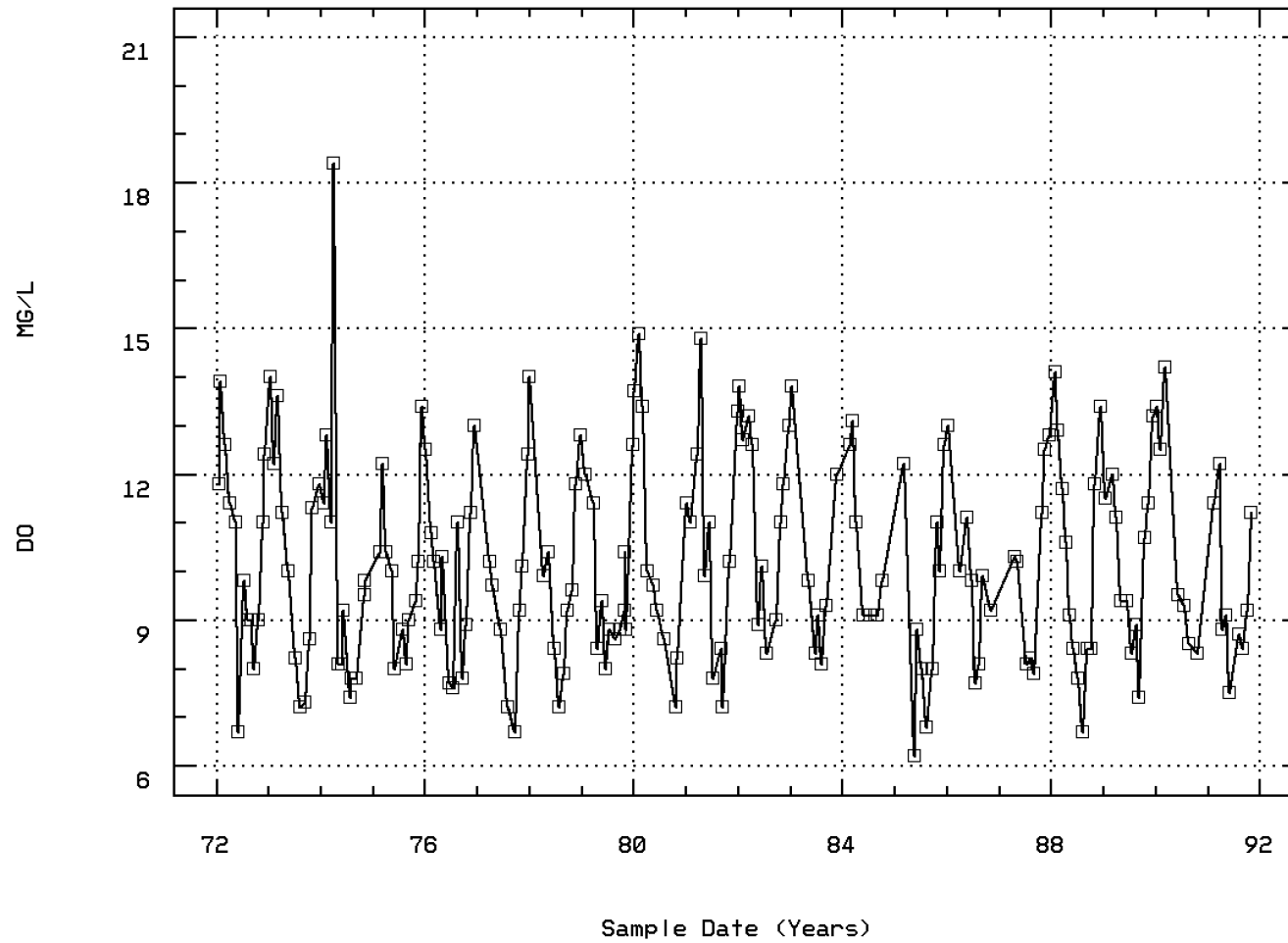
EPA Water Quality Criteria Analysis for Station: PRWI0010

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	46	0	0.00	23	0	0.00	12	0	0.00	11	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	22	0	0.00	10	0	0.00	5	0	0.00	7	0	0.00			
	Drinking Water	50.	22	0	0.00	10	0	0.00	5	0	0.00	7	0	0.00			
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	10 &	2	0.20	3	0	0.00	1	1	1.00	6	1	0.17			
	Drinking Water	5.	10 &	2	0.20	3	0	0.00	1	1	1.00	6	1	0.17			
01034 CHROMIUM, TOTAL	Drinking Water	100.	28	0	0.00	12	0	0.00	8	0	0.00	8	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	28 &	14	0.50	12	6	0.50	8	1	0.13	8	7	0.88			
	Drinking Water	1300.	29	0	0.00	13	0	0.00	8	0	0.00	8	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	28	0	0.00	13	0	0.00	7	0	0.00	8	0	0.00			
	Drinking Water	5.	17 &	6	0.35	6	3	0.50	4	1	0.25	7	2	0.29			
01059 THALLIUM, TOTAL	Fresh Acute	1400.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	2.	1 &	0	0.00							1	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	11	0	0.00	5	0	0.00	5	0	0.00	1	0	0.00			
	Drinking Water	100.	11	0	0.00	5	0	0.00	5	0	0.00	1	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	13	0	0.00	6	0	0.00	1	0	0.00	6	0	0.00			
	Drinking Water	100.	13	0	0.00	6	0	0.00	1	0	0.00	6	0	0.00			
01077 SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	2	0	0.00									
	Drinking Water	50.	2	0	0.00	2	0	0.00									
01092 ZINC, TOTAL	Fresh Acute	120.	29	12	0.41	13	7	0.54	8	0	0.00	8	5	0.63			
01147 SELENIUM, TOTAL	Fresh Acute	20.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	50.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
31506 COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	10	5	0.50	5	2	0.40	1	0	0.00	4	3	0.75			
31614 FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	20	9	0.45	10	5	0.50	4	2	0.50	6	2	0.33			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	168	49	0.29	76	11	0.14	49	20	0.41	43	18	0.42			
34356 ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	2	0	0.00							2	0	0.00			
34361 ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	2	0	0.00							2	0	0.00			
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
	Drinking Water	1.	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	9	0	0.00	1	0	0.00	2	0	0.00	6	0	0.00			
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	2	0	0.00							2	0	0.00			
	Drinking Water	0.2	2	0	0.00							2	0	0.00			
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
	Drinking Water	2.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	7	0	0.00	1	0	0.00	2	0	0.00	4	0	0.00			
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
	Drinking Water	0.2	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	2	0	0.00							2	0	0.00			
	Drinking Water	3.	2	0	0.00							2	0	0.00			
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00							2	0	0.00			
	Drinking Water	0.4	2	0	0.00							2	0	0.00			
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00							2	0	0.00			
	Drinking Water	0.2	2	0	0.00							2	0	0.00			
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	2	0	0.00							2	0	0.00			
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	2	0	0.00							2	0	0.00			
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	2	0	0.00							2	0	0.00			
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	16	2	0.13	9	0	0.00	6	2	0.33	1	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	28	0	0.00	12	0	0.00	8	0	0.00	8	0	0.00			
	Drinking Water	2.	28	0	0.00	12	0	0.00	8	0	0.00	8	0	0.00			
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	11	2	0.18	5	1	0.20	3	1	0.33	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station: PRWI0010 Parameter Code: 00300

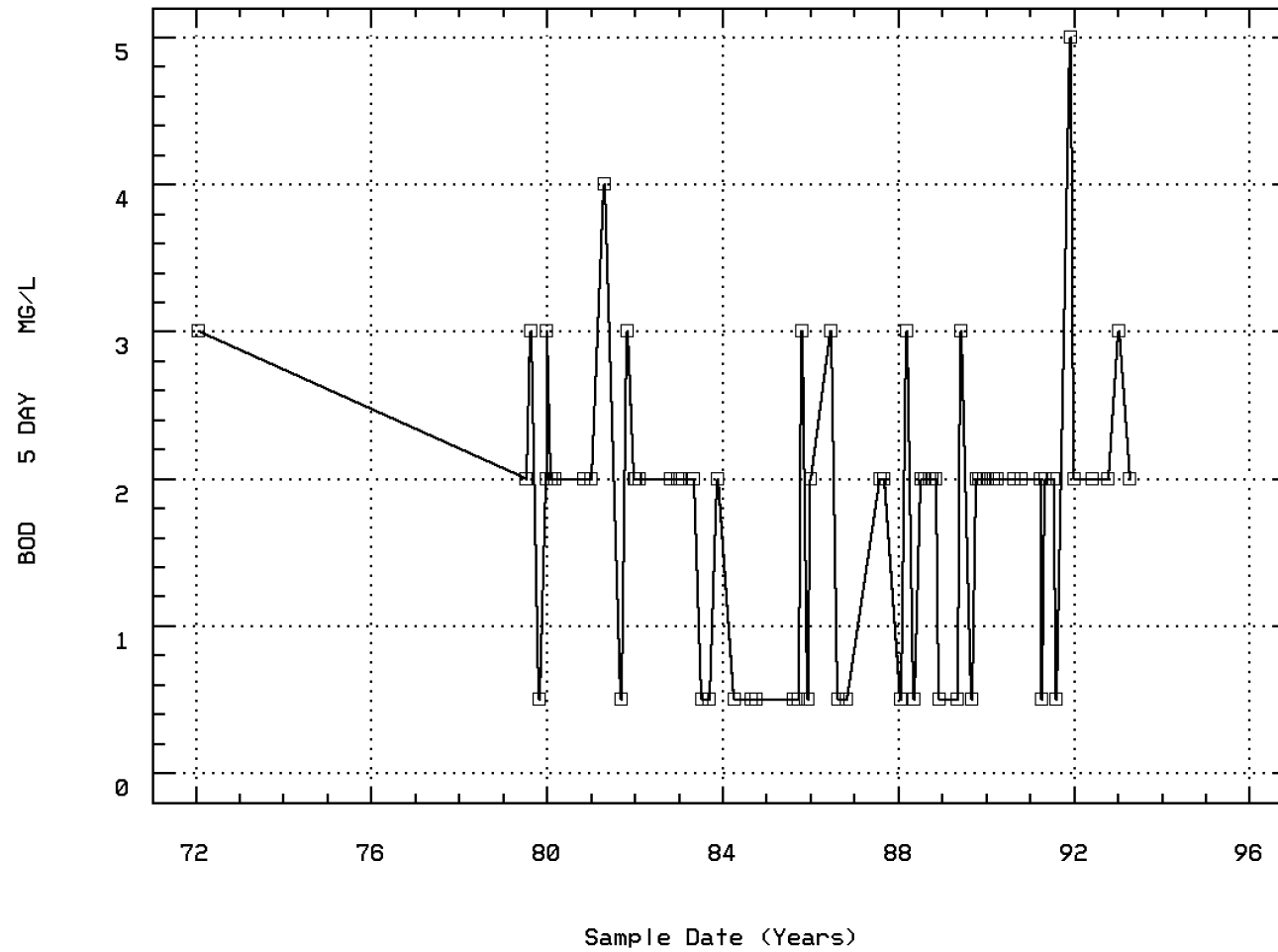
OXYGEN, DISSOLVED



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00310

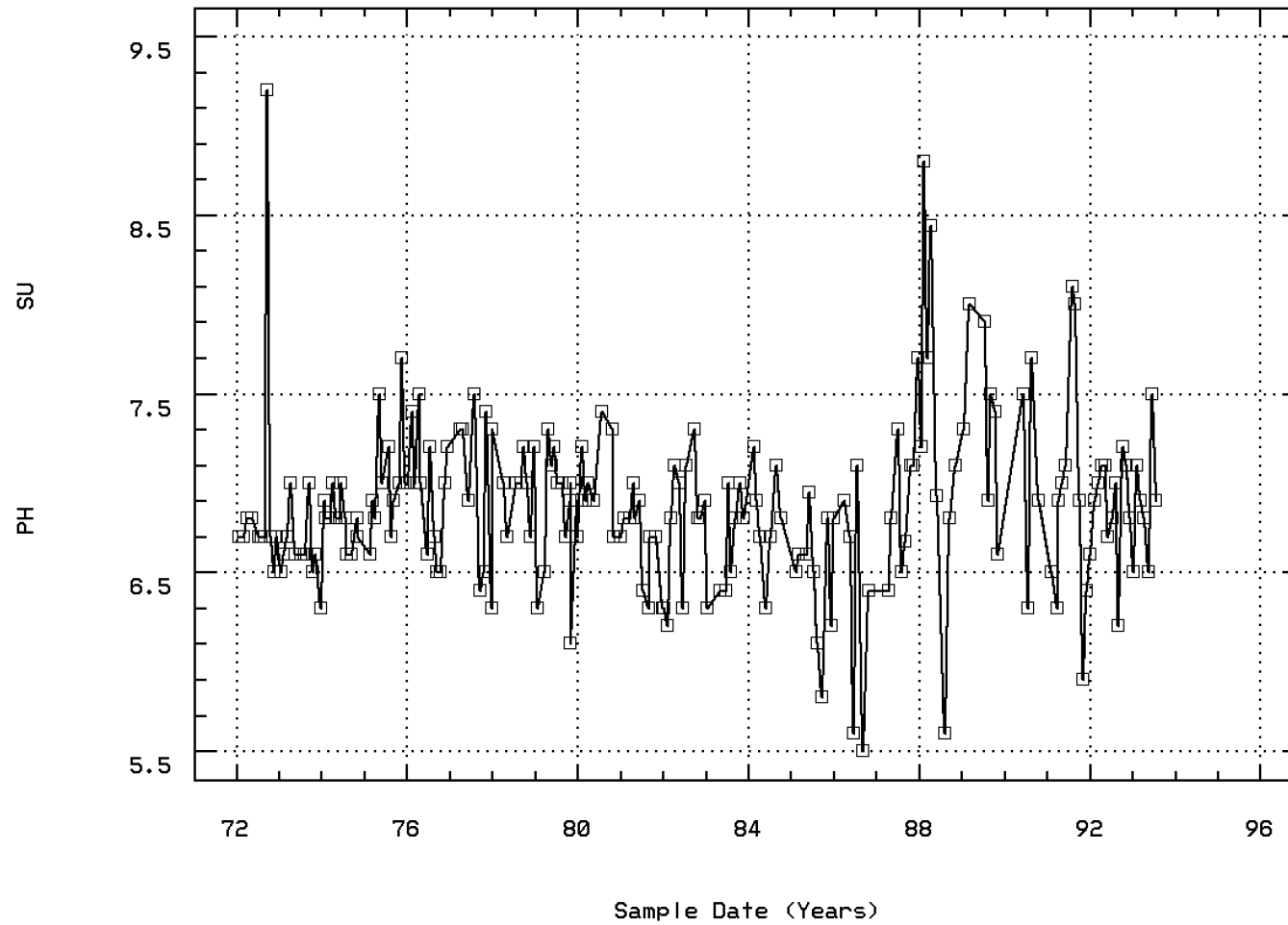
BOD, 5 DAY, 20 DEG C



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00400

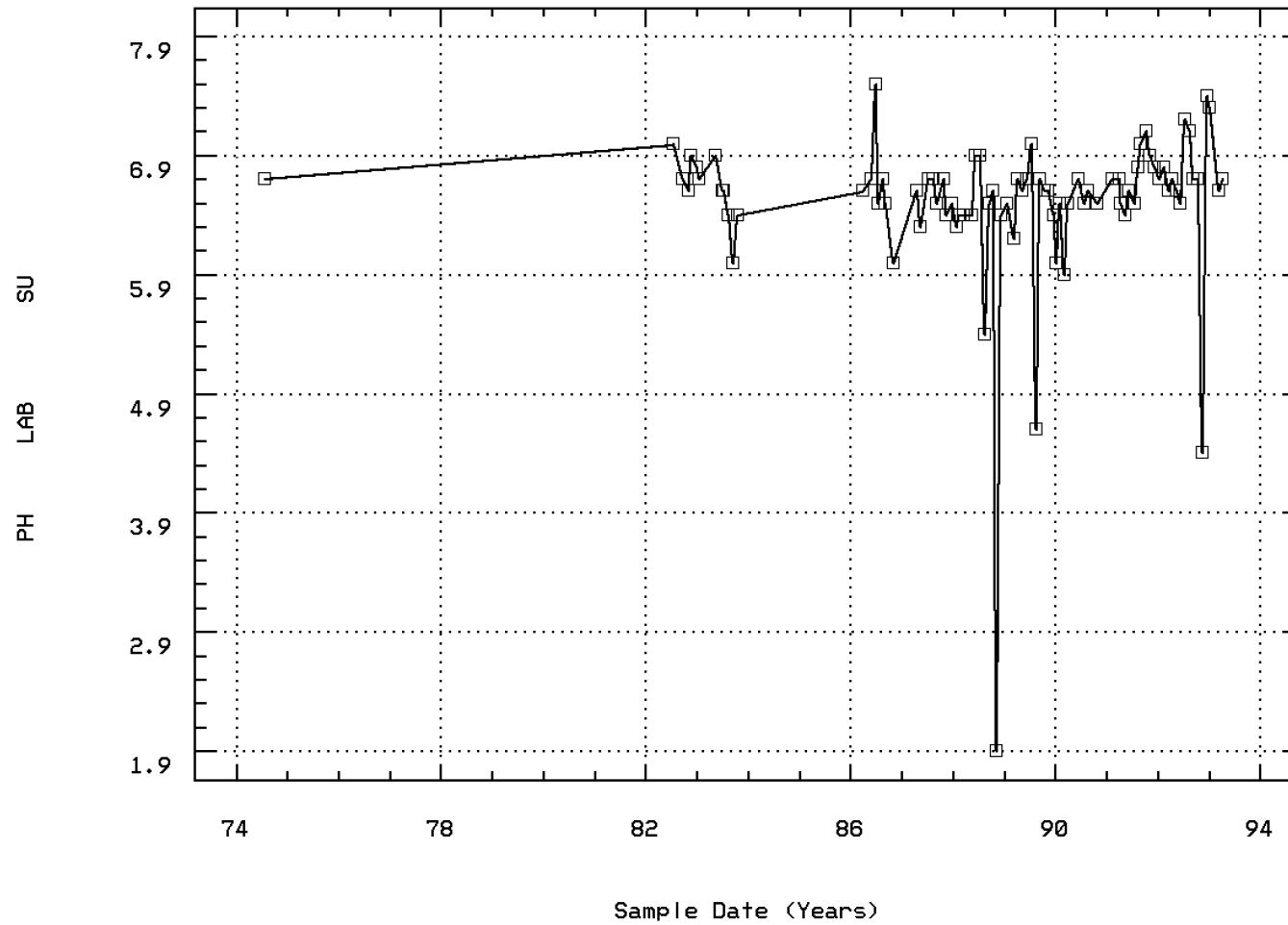
PH (STANDARD UNITS)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00403

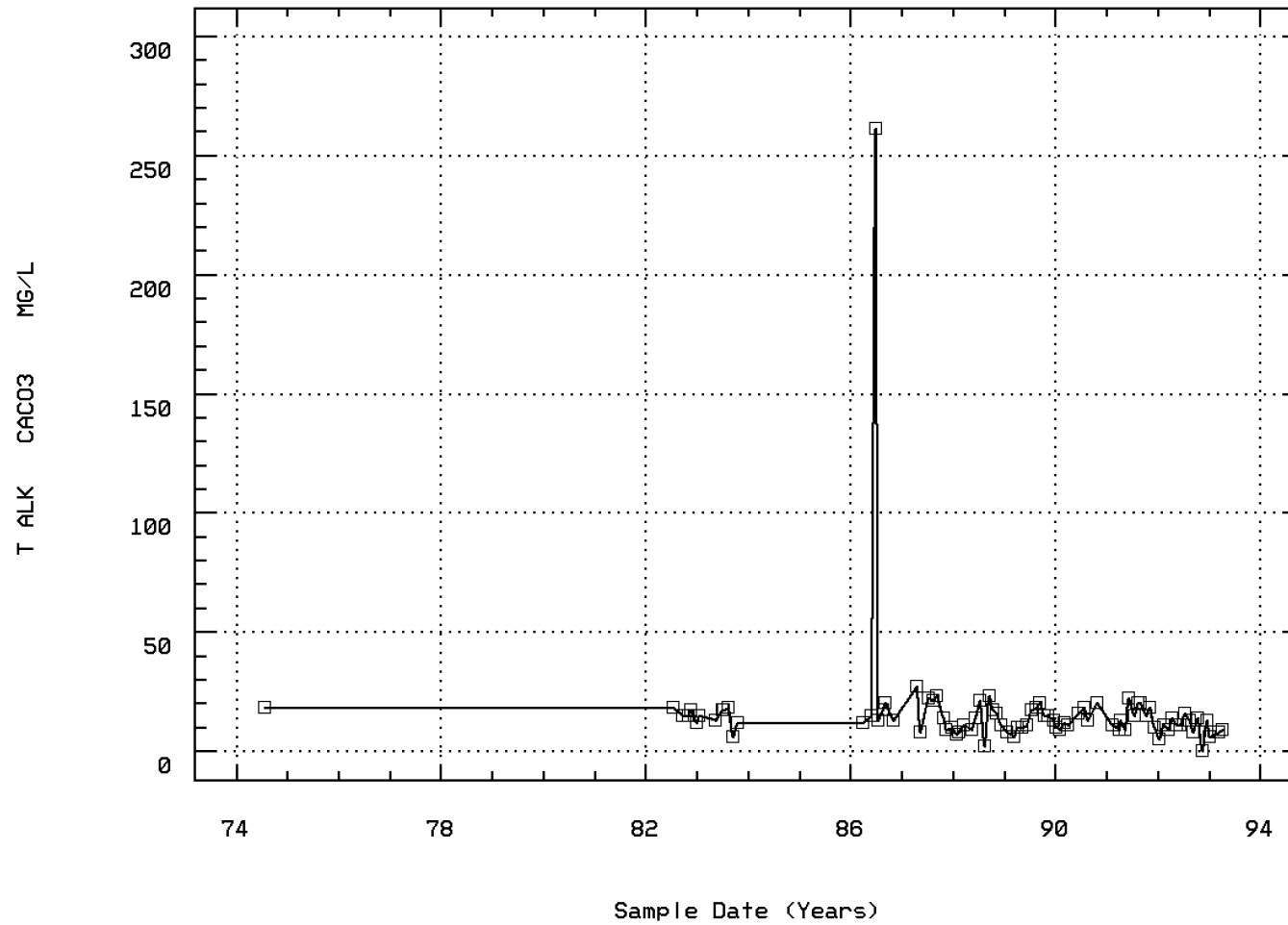
PH, LAB, STANDARD UNITS



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00410

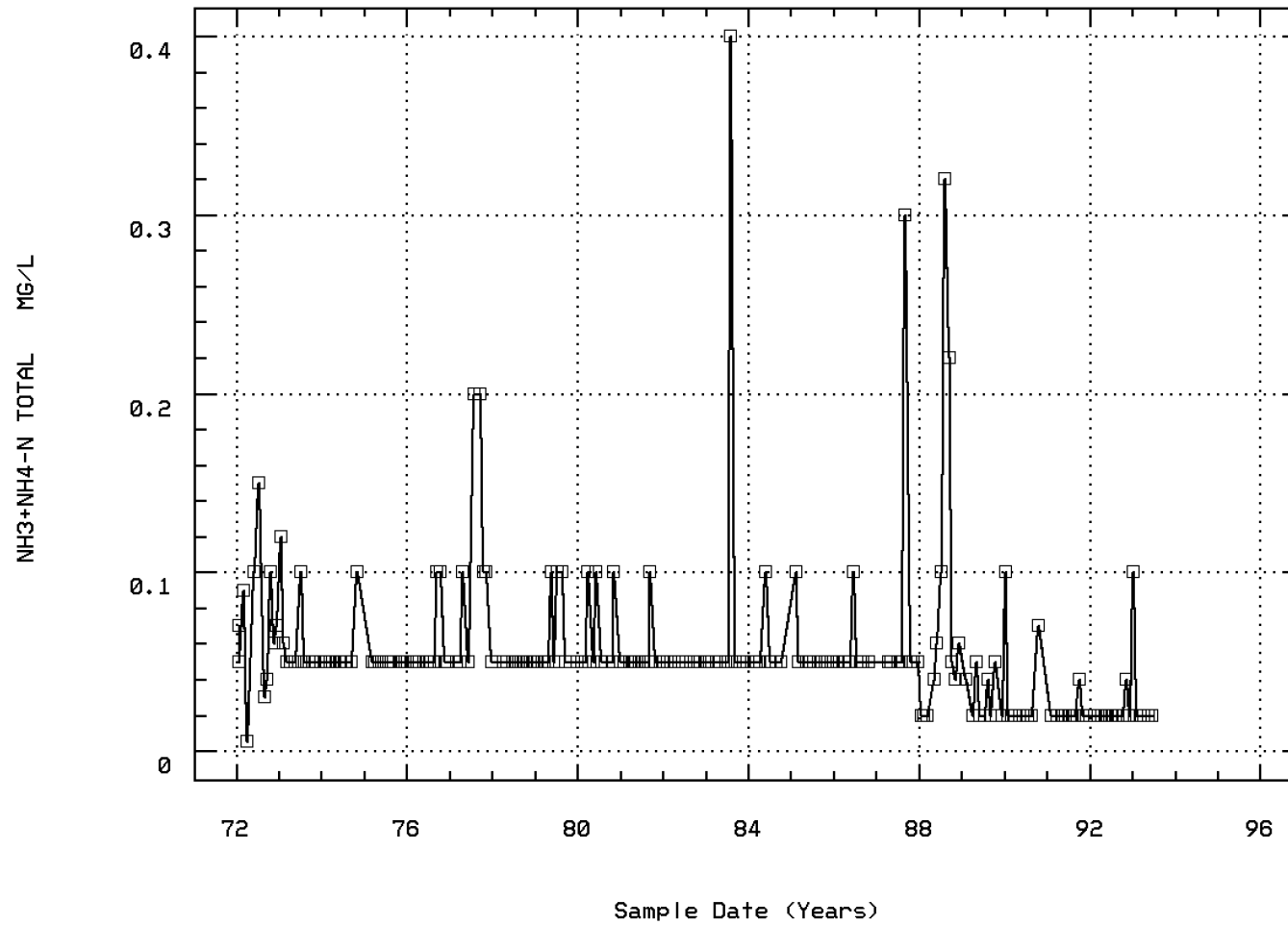
ALKALINITY, TOTAL (MG/L AS CaCO3)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00610

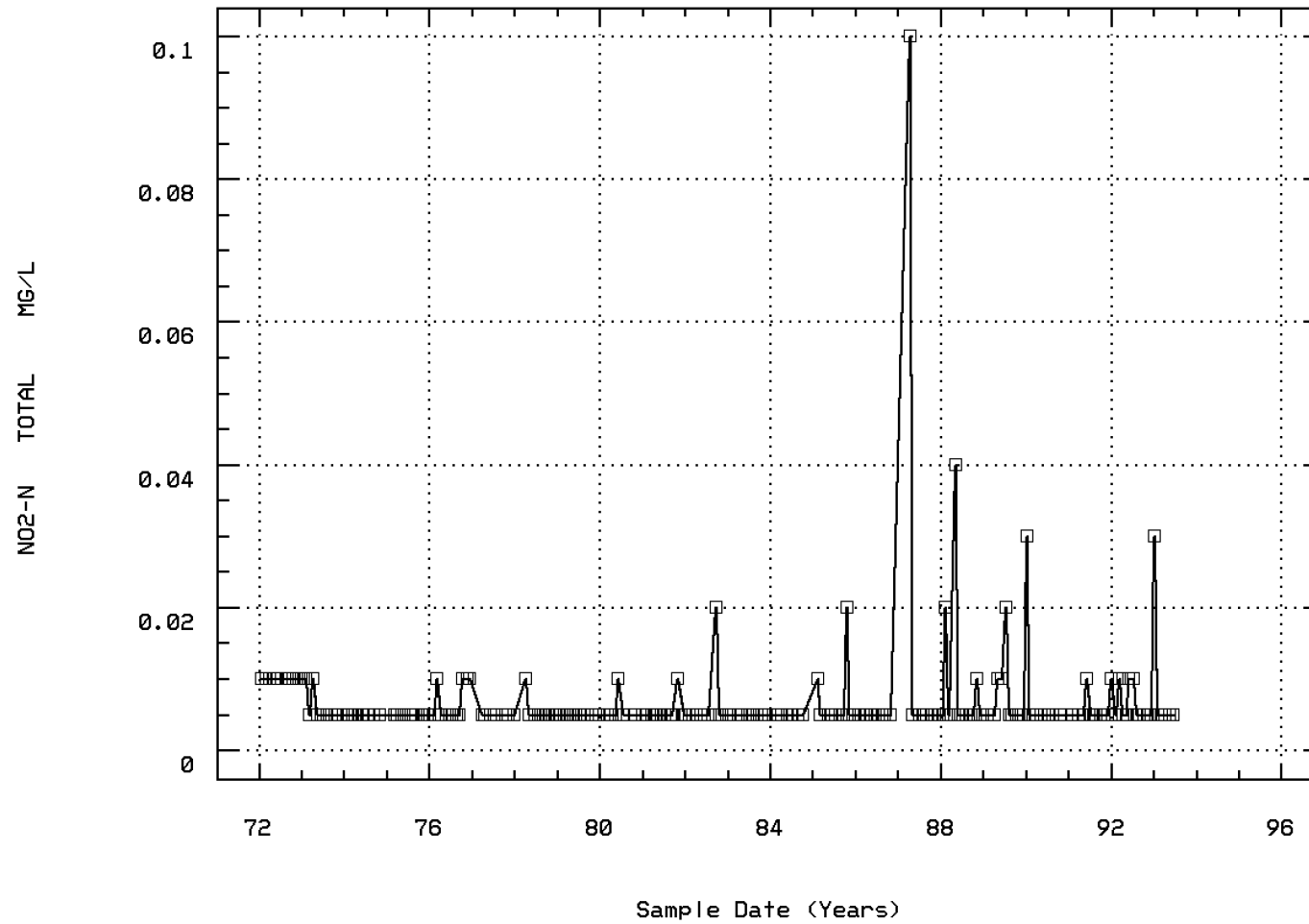
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00615

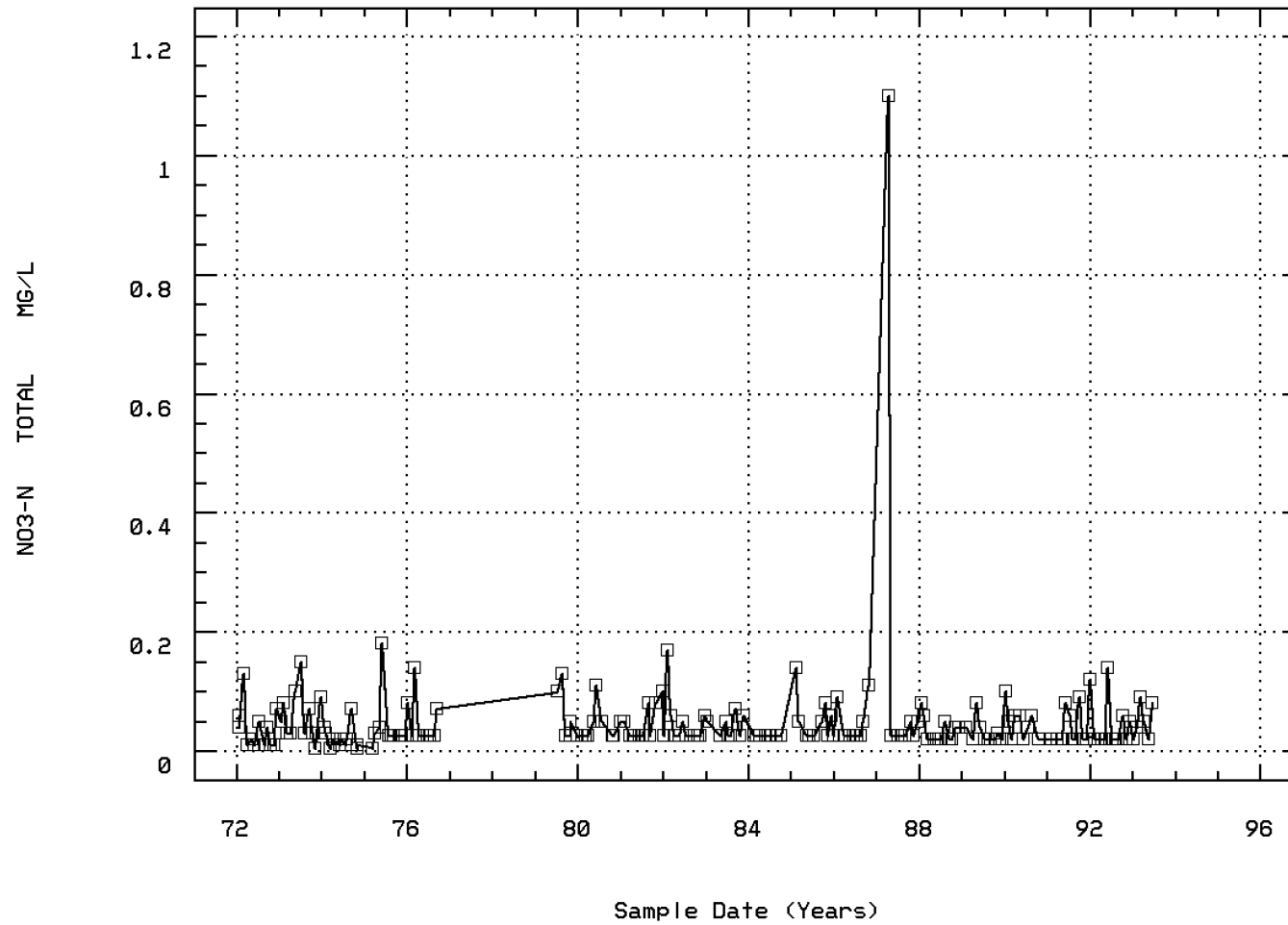
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00620

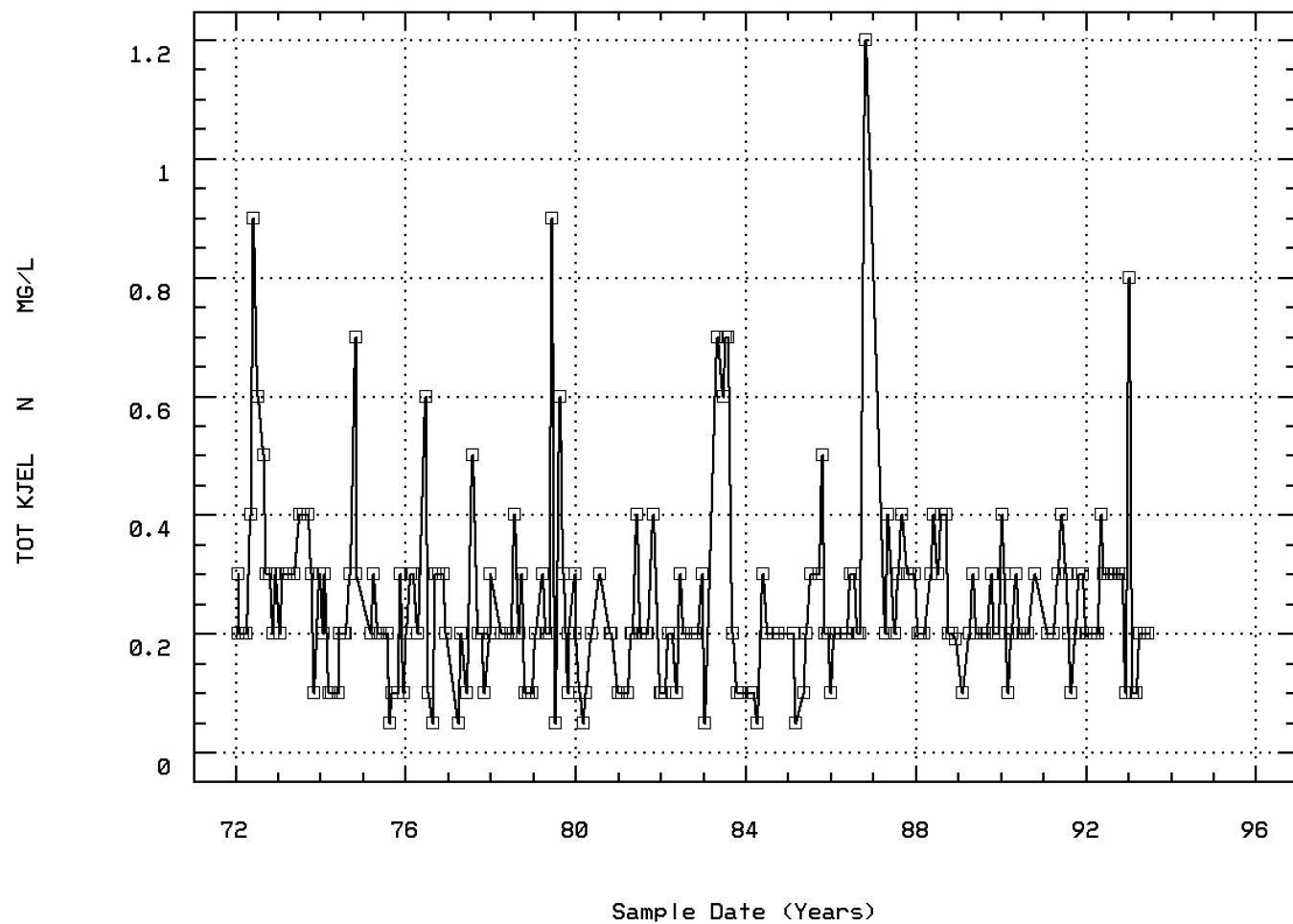
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00625

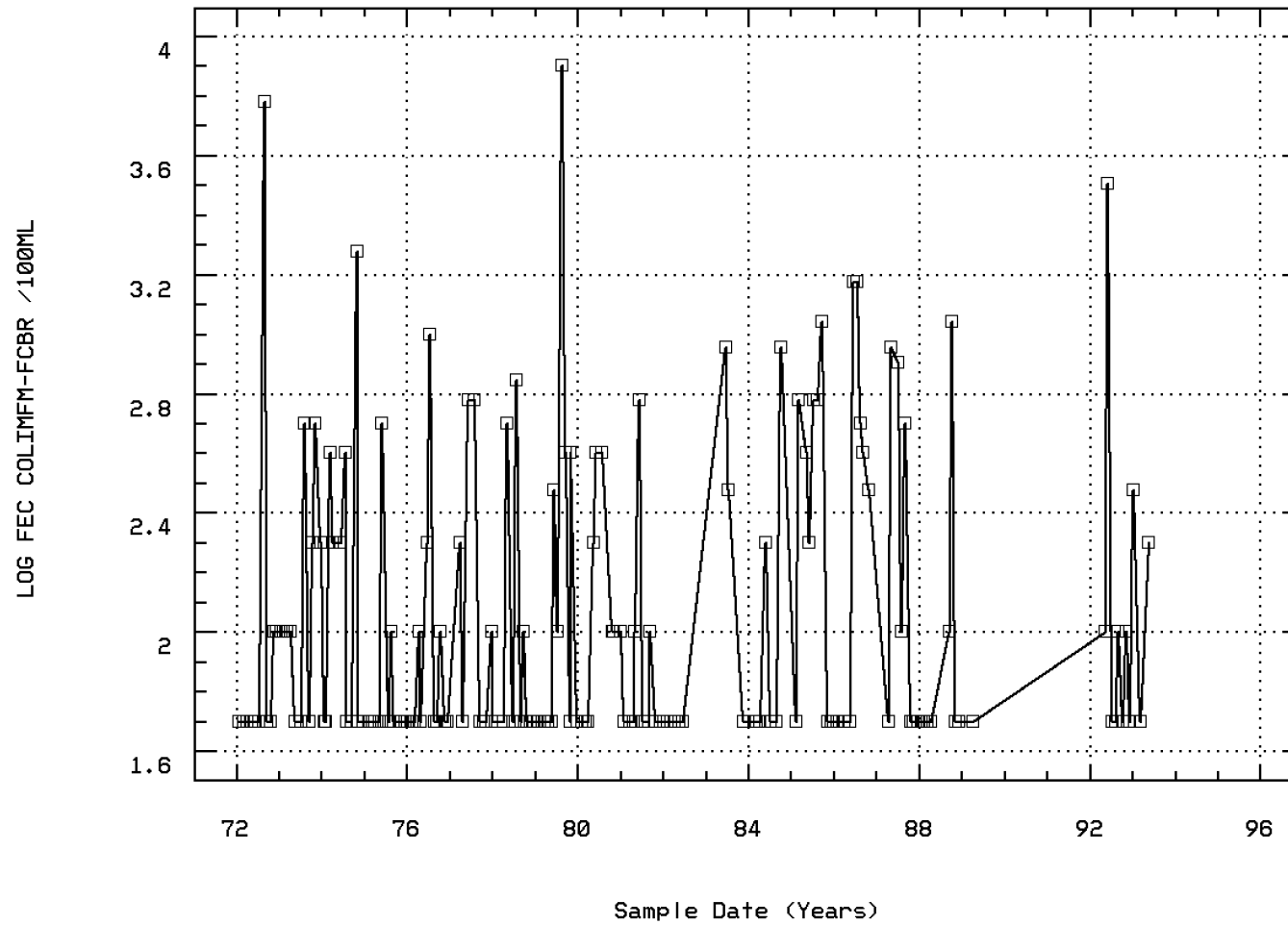
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 31616

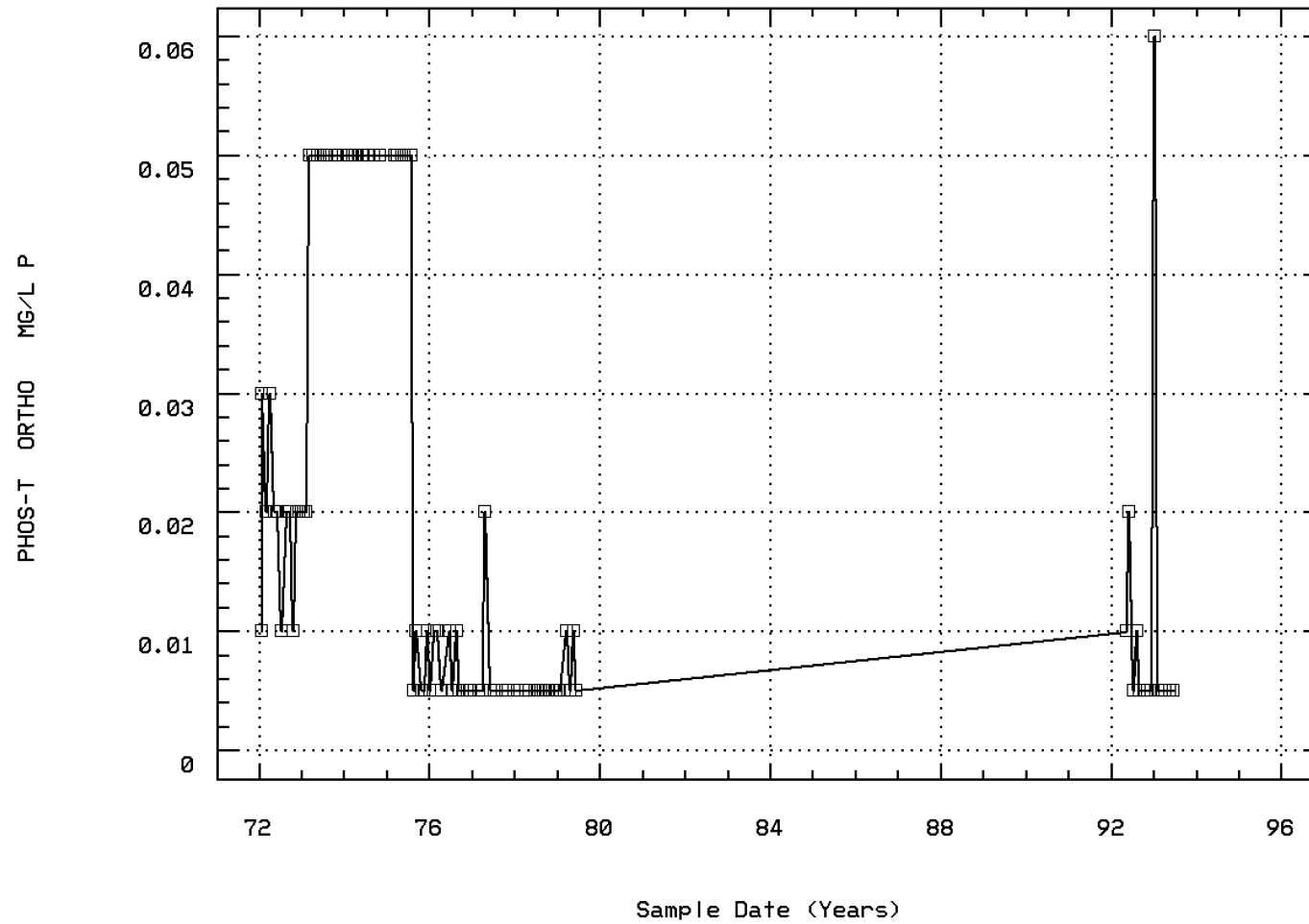
LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 70507

PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/



RT. 1 (BUSINESS) BRIDGE

Annual Analysis for 1972 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	13	11.1	13.015	22.2	3.3	48.206	6.943	3.74	6.65	19.7	22.2
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	13	11.	10.431	13.9	6.7	4.204	2.05	7.22	9.	12.1	13.38
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	12	6.7	6.908	9.2	6.5	0.526	0.725	6.56	6.7	6.775	8.48
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	12	6.7	6.731	9.2	6.5	0.561	0.749	6.56	6.7	6.775	8.48
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	12	0.2	0.186	0.316	0.001	0.005	0.07	0.048	0.169	0.2	0.281
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	11	0.07	0.07	0.15	0.005	0.002	0.04	0.01	0.04	0.1	0.14
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	12	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	12	0.03	0.038	0.13	0.01	0.001	0.036	0.01	0.01	0.058	0.112
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	12	0.3	0.367	0.9	0.2	0.044	0.21	0.2	0.2	0.475	0.81
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	12 ##	50.	554.167	6000.	50.	2941571.97	1715.101	50.	50.	87.5	4230.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	12 ##	1.699	1.922	3.778	1.699	0.355	0.596	1.699	1.699	1.925	3.245
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			83.639								
70505p	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	01/24/72-06/18/79	11 ##	0.05	0.164	1.3	0.05	0.142	0.377	0.05	0.05	0.05	1.05
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	12	0.02	0.019	0.03	0.01	0.	0.007	0.01	0.013	0.02	0.03

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	11	10.	12.409	23.3	3.3	61.401	7.836	3.52	4.4	22.2	23.2
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	11	11.2	10.491	14.	7.2	5.785	2.405	7.22	8.2	12.2	13.92
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	11	6.6	6.636	7.	6.3	0.043	0.206	6.34	6.5	6.7	7.
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	11	6.6	6.596	7.	6.3	0.044	0.211	6.34	6.5	6.7	7.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	11	0.251	0.254	0.501	0.1	0.012	0.109	0.1	0.2	0.316	0.464
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.05	0.062	0.12	0.05	0.001	0.024	0.05	0.05	0.06	0.116
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	11	0.05	0.06	0.15	0.005	0.002	0.042	0.01	0.03	0.09	0.14
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	11	0.3	0.3	0.4	0.1	0.008	0.089	0.12	0.3	0.4	0.4
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	11	100.	177.273	500.	50.	28181.818	167.874	50.	50.	200.	500.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	11	2.	2.1	2.699	1.699	0.132	0.363	1.699	1.699	2.301	2.699
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	11	2.	2.1	2.699	1.699	0.132	0.363	1.699	1.699	2.301	2.699
70505p	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	01/24/72-06/18/79	11 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	11 ##	0.05	0.045	0.05	0.02	0.	0.012	0.02	0.05	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	12	15.85	15.05	22.8	5.6	40.459	6.361	6.08	9.175	21.65	22.8
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	12	9.35	10.108	18.4	7.4	9.619	3.101	7.52	7.875	11.3	16.72
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	12	6.8	6.8	7.	6.6	0.016	0.128	6.6	6.725	6.875	7.
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	12	6.8	6.783	7.	6.6	0.017	0.129	6.6	6.725	6.875	7.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	12	0.158	0.165	0.251	0.1	0.002	0.049	0.1	0.134	0.189	0.251
00403p	PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.05	0.059	0.1	0.05	0.	0.02	0.05	0.05	0.05	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	11	0.02	0.022	0.07	0.005	0.	0.019	0.005	0.01	0.03	0.064
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	11	0.2	0.245	0.7	0.1	0.029	0.169	0.1	0.1	0.3	0.62
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	11	200.	322.727	1900.	50.	291681.818	540.076	50.	50.	400.	1600.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/24/72-05/11/93	11	2.301	2.171	3.279	1.699	0.276	0.526	1.699	1.699	2.602	3.143
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			148.246								
70505p PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	01/24/72-06/18/79	11 ##	0.05	0.073	0.3	0.05	0.006	0.075	0.05	0.05	0.05	0.25
70507p PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	11 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	11	14.4	14.127	26.	3.9	57.97	7.614	3.9	7.2	22.2	25.36
00300p OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	11	10.	9.991	13.4	8.	2.717	1.648	8.02	8.8	10.4	13.16
00400p PH (STANDARD UNITS)	01/24/72-07/13/93	11	7.	7.027	7.7	6.6	0.108	0.329	6.62	6.8	7.2	7.66
00400p CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	11	7.	6.936	7.7	6.6	0.117	0.343	6.62	6.8	7.2	7.66
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	11	0.1	0.116	0.251	0.02	0.005	0.069	0.022	0.063	0.158	0.241
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	10 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	10 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	10 ##	0.025	0.041	0.18	0.005	0.002	0.05	0.007	0.025	0.033	0.166
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	10	0.2	0.175	0.3	0.05	0.007	0.086	0.055	0.1	0.225	0.3
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/24/72-05/11/93	11 ##	50.	95.455	500.	50.	18227.273	135.008	50.	50.	50.	420.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/24/72-05/11/93	11 ##	1.699	1.817	2.699	1.699	0.094	0.306	1.699	1.699	1.699	2.559
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			65.652								
70505p PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	01/24/72-06/18/79	10 ##	0.05	0.055	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.095
70507p PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	10 ##	0.03	0.029	0.05	0.005	0.001	0.023	0.005	0.005	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	12	16.7	15.108	25.	2.8	60.788	7.797	2.8	8.075	22.65	24.34
00300p OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	12	10.25	9.983	13.	7.6	3.363	1.834	7.63	8.05	11.15	12.85
00400p PH (STANDARD UNITS)	01/24/72-07/13/93	12	7.	6.967	7.5	6.5	0.112	0.334	6.5	6.625	7.2	7.47
00400p CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	12	7.	6.854	7.5	6.5	0.125	0.354	6.5	6.625	7.2	7.47
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	12	0.1	0.14	0.316	0.032	0.011	0.104	0.034	0.063	0.238	0.316
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.05	0.059	0.1	0.05	0.	0.02	0.05	0.05	0.05	0.1
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	8 ##	0.025	0.052	0.14	0.025	0.002	0.042	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	11	0.3	0.259	0.6	0.05	0.02	0.143	0.06	0.2	0.3	0.54
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/24/72-05/11/93	12 ##	50.	150.	1000.	50.	73636.364	271.36	50.	50.	100.	760.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/24/72-05/11/93	12 ##	1.699	1.908	3.	1.699	0.156	0.395	1.699	1.699	2.	2.79
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			80.86								
70505p PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	01/24/72-06/18/79	11 ##	0.05	0.059	0.1	0.05	0.	0.02	0.05	0.05	0.05	0.1
70507p PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	11 ##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01

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Annual Analysis for 1977 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	8	14.	13.088	28.	0.6	128.336	11.329	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	8	9.45	9.288	12.4	6.7	3.236	1.799	**	**	**	**
00400p PH (STANDARD UNITS)	01/24/72-07/13/93	8	7.1	6.95	7.5	6.3	0.24	0.49	**	**	**	**

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Annual Analysis for 1977 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	8	7.055	6.723	7.5	6.3	0.299	0.547	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	8	0.088	0.189	0.501	0.032	0.035	0.188	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	8	0.1	0.106	0.2	0.05	0.004	0.062	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	8 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	8	0.2	0.194	0.5	0.05	0.019	0.137	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	8 ##	75.	212.5	600.	50.	59821.429	244.584	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	8 ##	1.849	2.082	2.778	1.699	0.23	0.48	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			120.685								
70505p	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	01/24/72-06/18/79	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	8 ##	0.005	0.007	0.02	0.005	0.	0.005	**	**	**	**

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Annual Analysis for 1978 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	10	16.	16.09	28.	0.2	99.405	9.97	0.75	6.675	27.25	28.
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	10	9.75	10.12	14.	7.2	4.746	2.179	7.27	8.275	12.05	13.88
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	9	7.	7.011	7.3	6.7	0.044	0.209	6.7	6.85	7.2	7.3
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	9	7.	6.965	7.3	6.7	0.046	0.214	6.7	6.85	7.2	7.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	9	0.1	0.108	0.2	0.05	0.003	0.055	0.05	0.063	0.15	0.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	10 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	10 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	10	0.2	0.21	0.4	0.1	0.01	0.099	0.1	0.1	0.3	0.39
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	10 ##	50.	165.	700.	50.	55027.778	234.58	50.	50.	200.	680.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	10 ##	1.699	1.944	2.845	1.699	0.201	0.448	1.699	1.699	2.175	2.83
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			87.839								
70505p	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	01/24/72-06/18/79	10 ##	0.05	0.085	0.4	0.05	0.012	0.111	0.05	0.05	0.05	0.365
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	10 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005

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Annual Analysis for 1979 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	12	18.75	15.942	24.5	2.	53.259	7.298	2.9	9.25	21.5	23.75
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	7	59.	106.286	400.	46.	16865.571	129.868	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	12	9.	9.7	12.6	8.	2.331	1.527	8.12	8.65	11.15	12.42
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	7	1.	1.5	3.	0.5	0.75	0.866	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	7	8.	13.714	41.	6.	166.238	12.893	**	**	**	**
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	12	6.95	6.833	7.3	6.1	0.133	0.365	6.16	6.55	7.075	7.27
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	12	6.947	6.672	7.3	6.1	0.162	0.402	6.16	6.55	7.075	7.27
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	12	0.113	0.213	0.794	0.05	0.05	0.224	0.054	0.085	0.287	0.706
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	7	3.	17.857	74.	1.	756.726	27.509	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	7	2.5	3.929	16.	0.5	29.119	5.396	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	7	2.5	14.643	58.	0.5	488.143	22.094	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	12 ##	0.05	0.062	0.1	0.05	0.001	0.023	0.05	0.05	0.088	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	12 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	7 ##	0.025	0.054	0.13	0.025	0.002	0.043	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	12	0.2	0.288	0.9	0.05	0.057	0.239	0.065	0.125	0.3	0.81
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	7 ##	0.05	0.064	0.1	0.05	0.001	0.024	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	6	0.01	0.01	0.02	0.005	0.	0.005	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	7	7.	10.286	22.	5.	47.238	6.873	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	12 ##	50.	795.833	8000.	50.	5167026.515	2273.109	50.	50.	375.	5720.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	12 ##	1.699	2.123	3.903	1.699	0.457	0.676	1.699	1.699	2.571	3.513

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Annual Analysis for 1979 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =		132.768								
70505p	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	01/24/72-06/18/79	5 ##	0.05	0.05	0.05	0.	0.	**	**	**	**
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	5 ##	0.005	0.007	0.01	0.005	0.	**	**	**	**

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Annual Analysis for 1980 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	9	12.5	11.356	24.2	1.	64.555	8.035	1.	2.6	17.5	24.2
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	9	70.	81.889	116.	67.	351.861	18.758	67.	67.5	99.5	116.
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	9	9.7	10.544	14.9	7.2	7.545	2.747	7.2	8.4	13.55	14.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	9	1.	1.556	3.	1.	0.528	0.726	1.	1.	2.	3.
00340p	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	9	5.	6.778	13.	1.	21.944	4.684	1.	2.5	11.5	13.
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	8	6.95	7.013	7.4	6.7	0.07	0.264	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	8	6.947	6.947	7.4	6.7	0.075	0.273	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	8	0.113	0.113	0.2	0.04	0.004	0.062	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	9##	2.5	3.389	8.	2.5	3.674	1.917	2.5	2.5	3.75	8.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	9##	2.5	2.556	3.	2.5	0.028	0.167	2.5	2.5	2.5	3.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	9##	2.5	2.778	5.	2.5	0.694	0.833	2.5	2.5	2.5	5.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	9##	0.05	0.067	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	9##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	9##	0.025	0.04	0.11	0.025	0.001	0.028	0.025	0.025	0.05	0.11
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	8	0.2	0.169	0.3	0.05	0.006	0.08	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	9##	0.05	0.067	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	9##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.02
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	9	6.	7.222	14.	5.	7.194	2.682	5.	6.	7.5	14.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	9	100.	155.556	400.	50.	21527.778	146.723	50.	50.	300.	400.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	9	2.	2.033	2.602	1.699	0.146	0.382	1.699	1.699	2.452	2.602
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =		108.006									

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Annual Analysis for 1981 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	11	14.5	13.527	26.2	0.3	90.796	9.529	0.34	2.9	22.5	25.66
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	11	85.	82.	119.	13.	683.	26.134	24.2	78.	96.	114.6
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	11	11.	10.673	14.8	7.2	5.396	2.323	7.32	8.4	12.4	14.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	11	1.	1.591	4.	0.5	1.141	1.068	0.6	1.	2.	3.8
00340p	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	11	8.	10.045	34.	0.5	75.623	8.696	1.2	6.	12.	29.6
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	11	6.7	6.673	7.	6.3	0.056	0.237	6.3	6.4	6.8	6.98
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	11	6.7	6.61	7.	6.3	0.061	0.246	6.3	6.4	6.8	6.98
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	11	0.2	0.245	0.501	0.1	0.022	0.148	0.105	0.158	0.398	0.501
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	11 ##	2.5	5.364	20.	2.5	33.855	5.818	2.5	2.5	6.	18.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	11 ##	2.5	2.727	5.	2.	0.618	0.786	2.1	2.5	2.5	4.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	11 ##	2.5	4.455	17.	2.5	20.073	4.48	2.5	2.5	4.	15.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.05	0.055	0.1	0.05	0.	0.015	0.05	0.05	0.05	0.09
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.005	0.005	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.009
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.025	0.046	0.1	0.025	0.001	0.028	0.025	0.025	0.08	0.096
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	11	0.2	0.2	0.4	0.1	0.012	0.11	0.1	0.1	0.2	0.4
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	11 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	11	0.01	0.013	0.05	0.005	0.	0.013	0.005	0.005	0.01	0.044
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	11	6.	5.727	11.	2.	4.418	2.102	2.6	5.	6.	10.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	10 ##	50.	120.	600.	50.	29000.	170.294	50.	50.	100.	550.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	10 ##	1.699	1.897	2.778	1.699	0.116	0.341	1.699	1.699	2.	2.7
31616p GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			78.922								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	11	7.5	10.027	24.7	0.	74.636	8.639	0.5	3.	17.8	24.06
00094p SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	10	77.	79.5	113.	59.	254.722	15.96	59.3	68.75	85.25	111.5
00300p OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	11	11.8	11.309	13.8	8.3	3.823	1.955	8.42	9.	13.	13.68
00310p BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	11	1.	1.364	2.	1.	0.255	0.505	1.	1.	2.	2.
00340p COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	11	12.	11.182	19.	6.	13.964	3.737	6.2	8.	14.	18.
00400p PH (STANDARD UNITS)	01/24/72-07/13/93	11	6.8	6.782	7.3	6.2	0.134	0.366	6.22	6.3	7.1	7.26
00400p CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	11	6.8	6.636	7.3	6.2	0.157	0.396	6.22	6.3	7.1	7.26
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	11	0.158	0.231	0.631	0.05	0.043	0.207	0.056	0.079	0.501	0.605
00403p PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	5	6.8	6.8	7.	6.6	0.025	0.158	**	**	**	**
00403p CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	5	6.8	6.777	7.	6.6	0.026	0.16	**	**	**	**
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	5	0.158	0.167	0.251	0.1	0.004	0.06	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	5	15.	15.4	18.	12.	5.3	2.302	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	11	6.	8.227	34.	2.5	96.068	9.801	2.5	2.5	7.	31.
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	11	3.	4.227	12.	2.5	8.268	2.875	2.5	2.5	5.	10.8
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	11	2.5	5.136	22.	0.	44.305	6.656	0.4	2.5	3.	20.4
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.005	0.006	0.02	0.005	0.	0.005	0.005	0.005	0.005	0.017
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.025	0.047	0.17	0.025	0.002	0.043	0.025	0.025	0.06	0.148
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	11	0.2	0.191	0.3	0.1	0.005	0.07	0.1	0.1	0.2	0.3
00665p PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	11 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	11	0.01	0.012	0.05	0.005	0.	0.013	0.005	0.005	0.01	0.042
00680p CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	11	3.	3.273	7.	1.	4.418	2.102	1.	1.	5.	6.8
31616p FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616p LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	6 ##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616p GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			50.								

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Annual Analysis for 1983 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	7	19.2	16.443	33.8	0.9	114.843	10.716	**	**	**	**
00094p SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	8	70.	86.625	152.	51.	1593.696	39.921	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	7	9.3	10.057	13.8	8.1	4.376	2.092	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	8	1.	1.25	2.	0.5	0.429	0.655	**	**	**	**
00340p COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	8	8.	8.	17.	4.	16.571	4.071	**	**	**	**
00400p PH (STANDARD UNITS)	01/24/72-07/13/93	8	6.65	6.65	7.	6.3	0.08	0.283	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	8	6.625	6.575	7.	6.3	0.086	0.294	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	8	0.237	0.266	0.501	0.1	0.024	0.156	**	**	**	**
00403p PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	7	6.6	6.514	6.9	6.	0.081	0.285	**	**	**	**
00403p CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	7	6.6	6.426	6.9	6.	0.09	0.301	**	**	**	**
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	7	0.251	0.375	1.	0.126	0.086	0.293	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	7	15.	14.	18.	6.	17.333	4.163	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	8 ##	4.25	4.875	8.	2.5	6.839	2.615	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	8 ##	2.75	3.75	8.	2.5	4.357	2.087	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	8 ##	2.5	2.375	5.	0.	2.982	1.727	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	8 ##	0.05	0.094	0.4	0.05	0.015	0.124	**	**	**	**

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Annual Analysis for 1983 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	8 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	8 ##	0.038	0.041	0.07	0.025	0.	0.018	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	8	0.4	0.394	0.7	0.05	0.093	0.305	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	8 ##	0.05	0.056	0.1	0.05	0.	0.018	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	8	0.01	0.009	0.01	0.005	0.	0.002	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	8	3.	3.375	5.	2.	0.839	0.916	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	3	300.	416.667	900.	50.	190833.333	436.845	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	3	2.477	2.377	2.954	1.699	0.401	0.634	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			238.11							

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Annual Analysis for 1984 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	7	14.	14.214	23.7	3.5	67.811	8.235	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	7	59.	60.	79.	49.	91.	9.539	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	7	9.8	10.543	13.1	9.1	2.963	1.721	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	7	1.	0.786	1.	0.5	0.071	0.267	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	7	6.	8.714	28.	3.	76.571	8.751	**	**	**
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	7	6.8	6.814	7.2	6.3	0.088	0.297	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	7	6.8	6.722	7.2	6.3	0.098	0.313	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	7	0.158	0.19	0.501	0.063	0.022	0.147	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	7 ##	2.5	25.429	144.	2.5	2770.119	52.632	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	7 ##	2.5	4.571	12.	2.5	12.119	3.481	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	7 ##	2.5	22.286	132.	0.	2361.405	48.594	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	7 ##	0.05	0.057	0.1	0.05	0.	0.019	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	7 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	7 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	7	0.2	0.164	0.3	0.05	0.007	0.085	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	7 ##	0.05	0.064	0.1	0.05	0.001	0.024	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	7	0.01	0.022	0.05	0.005	0.	0.02	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	7	4.	3.857	6.	2.	1.81	1.345	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	7 ##	50.	192.857	900.	50.	100357.143	316.792	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	7 ##	1.699	1.964	2.954	1.699	0.241	0.491	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			92.109							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	10	16.5	14.88	24.	2.	70.188	8.378	2.2	5.5	22.975
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	10	73.	78.8	110.	51.	382.4	19.555	52.2	66.	101.25
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	9	8.8	9.289	12.6	6.2	5.271	2.296	6.2	7.4	11.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	10	1.	1.05	3.	0.5	0.525	0.725	0.5	0.5	1.
00340p	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	10	7.	8.7	20.	3.	39.344	6.273	3.	3.75	12.25
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	9	6.5	6.45	6.95	5.8	0.129	0.359	5.8	6.15	6.7
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	9	6.5	6.309	6.95	5.8	0.151	0.389	5.8	6.15	6.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	9	0.316	0.491	1.585	0.112	0.217	0.466	0.112	0.205	0.713
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	9 ##	2.5	29.833	202.	2.5	4257.875	65.252	2.5	2.5	24.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	9 ##	2.5	4.833	20.	2.	33.25	5.766	2.	2.5	4.5
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	9 ##	2.5	26.389	182.	2.5	3463.111	58.848	2.5	2.5	20.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	9 ##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	9 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.008

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	9	0.05	0.053	0.14	0.025	0.001	0.038	0.025	0.025	0.07	0.14
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	9	0.2	0.228	0.5	0.05	0.017	0.13	0.05	0.15	0.3	0.5
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	9##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	9	0.01	0.014	0.03	0.005	0.	0.01	0.005	0.005	0.025	0.03
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	10	4.	4.4	8.	2.	3.6	1.897	2.	2.75	6.	7.8
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	9	400.	405.556	1100.	50.	127152.778	356.585	50.	50.	600.	1100.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	9	2.602	2.375	3.041	1.699	0.295	0.543	1.699	1.699	2.778	3.041
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			237.189								

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Annual Analysis for 1986 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	9	17.	15.3	27.	2.5	73.23	8.557	2.5	7.25	22.5	27.
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	9	79.	95.667	189.	63.	1729.25	41.584	63.	63.	114.5	189.
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	8	9.85	9.85	13.	7.7	2.803	1.674	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	9	1.	1.222	3.	0.5	0.632	0.795	0.5	0.75	1.5	3.
00340p	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	9	8.	8.	14.	4.	8.	2.828	4.	6.	9.	14.
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	7	6.7	6.429	7.1	5.5	0.406	0.637	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	7	6.7	6.023	7.1	5.5	0.597	0.773	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	7	0.2	0.948	3.162	0.079	1.711	1.308	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	7	6.6	6.643	7.5	6.	0.2	0.447	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	7	6.6	6.481	7.5	6.	0.23	0.48	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	7	0.251	0.331	1.	0.032	0.096	0.311	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	7	15.	50.143	261.	12.	8652.81	93.02	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	9##	2.5	25.833	198.	2.5	4174.875	64.613	2.5	2.5	8.5	198.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	9##	2.5	24.278	198.	2.	4244.069	65.147	2.	2.5	3.	198.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	9##	2.5	2.944	7.	0.	3.903	1.976	0.	2.25	3.75	7.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	9##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	9##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	9##	0.025	0.044	0.11	0.025	0.001	0.033	0.025	0.025	0.07	0.11
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	9	0.2	0.322	1.2	0.1	0.112	0.335	0.1	0.2	0.3	1.2
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	9	0.04	0.038	0.1	0.005	0.001	0.029	0.005	0.015	0.05	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	9	0.01	0.009	0.01	0.005	0.	0.002	0.005	0.008	0.01	0.01
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	9	5.	5.111	7.	4.	0.861	0.928	4.	4.5	5.5	7.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	9	300.	488.889	1500.	50.	357361.111	597.797	50.	50.	1000.	1500.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	9	2.477	2.325	3.176	1.699	0.407	0.638	1.699	1.699	2.938	3.176
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			211.415								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	8	13.55	16.363	31.6	6.2	79.786	8.932	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	8	89.5	95.5	147.	56.	1060.286	32.562	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	8	10.25	10.15	12.8	7.9	3.82	1.954	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	8	1.	1.25	2.	1.	0.214	0.463	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	8	9.5	9.938	19.	0.5	33.603	5.797	**	**	**	**
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	8	6.95	6.946	7.7	6.4	0.191	0.437	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	8	6.925	6.784	7.7	6.4	0.221	0.47	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	8	0.119	0.164	0.398	0.02	0.018	0.135	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	8	6.55	6.55	6.7	6.3	0.023	0.151	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	8	6.547	6.526	6.7	6.3	0.024	0.153	**	**	**	**

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Annual Analysis for 1987 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	8	0.284	0.298	0.501	0.2	0.012	0.109	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	8	17.5	16.75	27.	8.	54.214	7.363	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	8 ##	2.5	8.188	42.	2.5	188.567	13.732	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	8 ##	2.5	3.188	5.	2.5	1.281	1.132	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	7 ##	2.5	7.5	37.	2.5	169.25	13.01	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	8 ##	0.05	0.081	0.3	0.05	0.008	0.088	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	8 ##	0.005	0.017	0.1	0.005	0.001	0.034	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	8 ##	0.025	0.166	1.1	0.025	0.143	0.378	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	8	0.3	0.3	0.4	0.2	0.006	0.076	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	8 ##	0.05	0.063	0.1	0.05	0.001	0.023	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	8	0.01	0.013	0.05	0.005	0.	0.015	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	5	5.	4.6	6.	3.	1.3	1.14	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	6	27.5	33.5	52.	20.	191.9	13.853	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	8 ##	75.	312.5	900.	50.	134107.143	366.206	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	8 ##	1.849	2.169	2.954	1.699	0.336	0.579	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			147.578								

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Annual Analysis for 1988 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	12	16.15	14.55	26.6	0.2	89.997	9.487	1.19	4.675	23.825	26.54
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	11	92.	125.273	420.	60.	10781.618	103.835	60.2	63.	132.	370.2
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	12	9.85	10.275	14.1	6.7	6.053	2.46	7.03	8.4	12.625	13.89
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	11	2.	1.5	3.	0.5	0.7	0.837	0.5	0.5	2.	2.8
00340p	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	11	9.	9.182	17.	4.	21.364	4.622	4.2	5.	13.	17.
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	8	7.15	7.321	8.8	5.6	1.005	1.002	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	8	7.147	6.432	8.8	5.6	1.908	1.381	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	8	0.071	0.369	2.512	0.002	0.752	0.867	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	11	6.4	6.009	6.9	1.9	2.013	1.419	2.6	6.3	6.6	6.9
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	11	6.4	2.941	6.9	1.9	12.366	3.517	2.6	6.3	6.6	6.9
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	11	0.398	1145.104	12589.254	0.12614406543	212	3795.595	0.126	0.251	0.501	10072.2
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	11	11.	12.636	23.	2.	39.455	6.281	3.	8.	17.	22.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	11	4.	6.091	22.	0.5	41.791	6.465	0.6	2.5	7.	20.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	11	2.5	3.	7.	0.5	4.1	2.025	0.6	1.	4.	6.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	11	2.5	9.	57.	0.5	272.5	16.508	0.6	2.	10.	48.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	11	0.05	0.086	0.32	0.02	0.009	0.096	0.02	0.02	0.1	0.3
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.005	0.01	0.04	0.005	0.	0.011	0.005	0.005	0.01	0.036
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	11 ##	0.02	0.035	0.08	0.02	0.	0.021	0.02	0.02	0.05	0.076
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	11	0.2	0.272	0.4	0.19	0.008	0.091	0.192	0.2	0.4	0.4
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	11 ##	0.05	0.073	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	11	0.01	0.01	0.02	0.005	0.	0.006	0.005	0.005	0.01	0.02
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	8	2.65	4.5	17.1	2.	26.463	5.144	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	13	36.	54.077	290.	20.	5182.41	71.989	20.	21.5	45.	198.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	8 ##	50.	187.5	1100.	50.	136250.	369.121	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	8 ##	1.699	1.904	3.041	1.699	0.222	0.471	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			80.242								

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Annual Analysis for 1989 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	11	13.7	13.6	27.2	1.4	83.782	9.153	1.6	3.5	23.9	26.58
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	6	76.5	79.167	96.	67.	126.167	11.232	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	11	10.7	10.3	13.2	7.4	3.074	1.753	7.58	8.9	11.5	12.96
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	11	1.	1.364	3.	0.5	0.605	0.778	0.5	1.	2.	2.8
00340p	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	11	12.	11.182	16.	4.	12.564	3.545	4.6	9.	14.	15.8
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	7	7.4	7.371	8.	6.6	0.252	0.502	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	7	7.4	7.128	8.	6.6	0.321	0.567	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	7	0.04	0.074	0.251	0.01	0.008	0.087	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	11	6.6	6.418	7.	4.6	0.404	0.635	4.92	6.4	6.7	6.94
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	11	6.6	5.596	7.	4.6	1.148	1.071	4.92	6.4	6.7	6.94
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	11	0.251	2.538	25.119	0.1	56.109	7.491	0.12	0.2	0.398	20.221
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	11	13.	13.	20.	6.	19.4	4.405	6.4	10.	17.	19.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	11	2.	5.318	28.	0.5	78.864	8.881	0.5	0.5	3.	25.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	11	1.	1.818	6.	0.5	3.664	1.914	0.5	0.5	2.	5.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	11	1.	3.727	23.	0.5	50.318	7.094	0.5	0.5	1.	20.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	9 ##	0.02	0.031	0.05	0.02	0.	0.014	0.02	0.02	0.045	0.05
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	10 ##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.019
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	10 ##	0.02	0.031	0.08	0.02	0.	0.019	0.02	0.02	0.04	0.076
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	10	0.2	0.21	0.3	0.1	0.003	0.057	0.11	0.2	0.225	0.3
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	10 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	10	0.01	0.013	0.04	0.005	0.	0.011	0.005	0.005	0.013	0.038
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	11	3.7	3.7	5.5	2.4	0.798	0.893	2.44	3.	4.3	5.26
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	12	23.	23.833	32.	18.	14.152	3.762	18.6	22.	26.	30.8
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	1 ##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			50.								

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Annual Analysis for 1990 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	7	4.7	9.286	22.6	0.9	77.118	8.782	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	2	104.	104.	141.	67.	2738.	52.326	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	7	9.5	10.814	14.2	8.3	6.115	2.473	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	8	2.	1.625	2.	1.	0.268	0.518	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	9	11.	10.333	15.	5.	13.75	3.708	5.	6.5	14.	15.
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	4	7.2	7.1	7.7	6.3	0.4	0.632	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	4	7.104	6.77	7.7	6.3	0.545	0.738	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	4	0.079	0.17	0.501	0.02	0.051	0.226	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	8	6.5	6.4	6.7	5.9	0.083	0.288	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	8	6.5	6.304	6.7	5.9	0.093	0.306	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	8	0.316	0.497	1.259	0.2	0.159	0.399	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	8	12.5	13.625	20.	9.	15.696	3.962	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	8	4.5	12.688	72.	0.5	583.353	24.153	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	8	1.	2.438	10.	0.5	11.603	3.406	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	8	3.	10.563	62.	0.5	442.174	21.028	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	9##	0.02	0.034	0.1	0.02	0.001	0.03	0.02	0.02	0.045	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	9##	0.005	0.008	0.03	0.005	0.	0.008	0.005	0.005	0.005	0.03
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	9	0.05	0.048	0.1	0.02	0.001	0.026	0.02	0.02	0.06	0.1
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	9	0.2	0.244	0.4	0.1	0.008	0.088	0.1	0.2	0.3	0.4
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	9##	0.05	0.067	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	9	0.01	0.019	0.07	0.005	0.	0.022	0.005	0.005	0.03	0.07
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	9	4.	4.067	5.4	2.4	0.845	0.919	2.4	3.55	4.85	5.4
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	9	22.	23.111	34.	18.	27.111	5.207	18.	19.	26.	34.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	10	17.35	15.19	25.4	4.6	59.523	7.715	4.68	7.425	22.65	25.2
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	1	77.	77.	77.	77.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	9	9.1	9.611	12.2	7.5	2.534	1.592	7.5	8.55	11.3	12.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	11	1.	1.545	5.	0.5	1.623	1.274	0.5	1.	2.	4.4
00340p	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	11	10.	9.909	19.	2.	20.091	4.482	2.8	7.	13.	18.
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	10	6.9	6.91	8.1	5.9	0.497	0.705	5.94	6.375	7.325	8.09
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	10	6.9	6.534	8.1	5.9	0.654	0.808	5.94	6.375	7.325	8.09
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	10	0.126	0.292	1.259	0.008	0.143	0.378	0.008	0.062	0.424	1.183
00403p	PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	11	6.7	6.727	7.1	6.4	0.048	0.22	6.42	6.5	6.9	7.08
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	11	6.7	6.679	7.1	6.4	0.051	0.225	6.42	6.5	6.9	7.08
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	11	0.2	0.209	0.398	0.079	0.01	0.101	0.084	0.126	0.316	0.382
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	11	15.	14.727	22.	9.	22.418	4.735	9.	10.	20.	21.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	11 ##	2.5	3.909	12.	1.5	11.641	3.412	1.5	1.5	7.	11.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	11 ##	1.5	1.682	3.	0.5	0.464	0.681	0.6	1.5	2.	2.9
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	11 ##	2.	3.182	9.	1.5	5.714	2.39	1.5	1.5	5.	8.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	10 ##	0.02	0.022	0.04	0.02	0.	0.006	0.02	0.02	0.02	0.038
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	10 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	10 ##	0.02	0.037	0.09	0.02	0.001	0.028	0.02	0.02	0.065	0.089
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	10	0.25	0.25	0.4	0.1	0.007	0.085	0.11	0.2	0.3	0.39
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	10 ##	0.05	0.065	0.1	0.05	0.001	0.024	0.05	0.05	0.1	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	10	0.01	0.01	0.02	0.005	0.	0.004	0.005	0.009	0.01	0.019
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	11	3.	3.164	5.5	1.8	1.127	1.061	1.8	2.6	3.8	5.22
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	11	26.	25.273	38.	14.	46.618	6.828	14.4	20.	30.	36.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	12	11.05	12.308	23.3	0.8	63.806	7.988	1.7	4.3	20.775	23.
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	12	77.5	81.333	143.	64.	412.061	20.299	65.8	71.25	82.75	125.
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	12	1.	1.25	2.	1.	0.205	0.452	1.	1.	1.75	2.
00340p	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	11	12.	11.591	17.	0.5	19.941	4.466	2.2	10.	14.	17.
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	12	6.95	6.875	7.2	6.2	0.078	0.28	6.32	6.725	7.1	7.17
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	12	6.947	6.773	7.2	6.2	0.09	0.3	6.32	6.725	7.1	7.17
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	12	0.113	0.169	0.631	0.063	0.024	0.156	0.068	0.079	0.189	0.517
00403p	PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	12	6.7	6.617	7.4	4.4	0.562	0.749	5.03	6.6	7.025	7.34
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	12	6.7	5.458	7.4	4.4	2.025	1.423	5.03	6.6	7.025	7.34
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	12	0.2	3.481	39.811	0.04	130.903	11.441	0.047	0.099	0.251	27.962
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	12	11.	10.417	16.	0.	19.72	4.441	1.5	8.25	13.75	15.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	12	2.	3.417	7.	1.5	5.129	2.265	1.5	2.	6.25	7.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	12	1.	1.333	2.	1.	0.197	0.444	1.	1.	1.875	2.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	12	1.5	2.333	5.	1.	2.924	1.71	1.	1.	4.5	5.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	13 ##	0.02	0.022	0.04	0.02	0.	0.006	0.02	0.02	0.02	0.032
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	13 ##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	13 ##	0.02	0.052	0.14	0.02	0.002	0.049	0.02	0.02	0.09	0.14
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	13	0.3	0.262	0.4	0.1	0.006	0.077	0.14	0.2	0.3	0.36
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	13 ##	0.05	0.065	0.1	0.05	0.001	0.024	0.05	0.05	0.1	0.1
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	4 ##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	11	3.2	3.4	5.9	1.6	1.482	1.217	1.66	2.7	4.3	5.64
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	11	24.	24.091	28.	20.	7.891	2.809	20.2	22.	28.	28.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	8 ##	75.	462.5	3200.	50.	1224107.143	1106.394	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	8 ##	1.849	2.038	3.505	1.699	0.374	0.611	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	8 ##	1.849	2.038	3.505	1.699	0.374	0.611	**	**	**	**
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	9 ##	0.005	0.009	0.02	0.005	0.	0.006	0.005	0.005	0.015	0.02

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

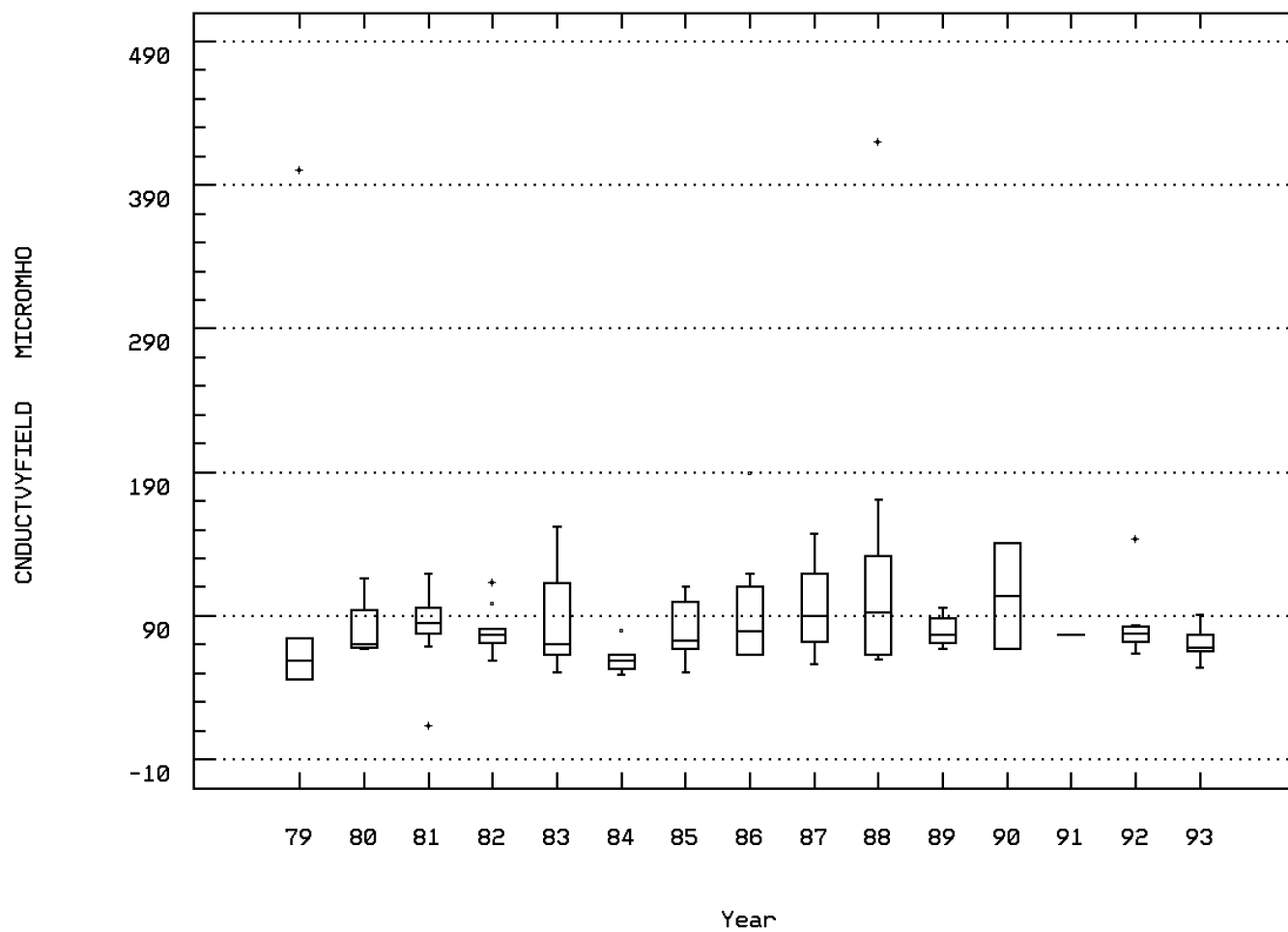
Annual Analysis for 1993 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	7	10.4	12.614	25.7	1.5	75.441	8.686	**	**	**	**
00094p SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	7	68.	70.571	91.	54.	129.619	11.385	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	3	2.	2.	3.	1.	1.	1.	**	**	**	**
00340p COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	3	6.	13.833	35.	0.5	343.583	18.536	**	**	**	**
00400p PH (STANDARD UNITS)	01/24/72-07/13/93	7	6.9	6.886	7.5	6.5	0.121	0.348	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	7	6.9	6.783	7.5	6.5	0.134	0.366	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	7	0.126	0.165	0.316	0.032	0.012	0.111	**	**	**	**
00403p PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	3	6.7	6.867	7.3	6.6	0.143	0.379	**	**	**	**
00403p CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	3	6.7	6.777	7.3	6.6	0.155	0.394	**	**	**	**
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	3	0.2	0.167	0.251	0.05	0.011	0.104	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	3	8.	7.667	9.	6.	2.333	1.528	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	3	5.	67.5	196.	1.5	12387.25	111.298	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	3	2.	10.5	28.	1.5	229.75	15.158	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	3	3.	57.5	168.	1.5	9158.25	95.699	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	6 ##	0.02	0.033	0.1	0.02	0.001	0.033	**	**	**	**
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	6 ##	0.005	0.009	0.03	0.005	0.	0.01	**	**	**	**
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	6	0.045	0.05	0.09	0.02	0.001	0.03	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	6	0.2	0.267	0.8	0.1	0.071	0.266	**	**	**	**
00665p PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	6 ##	0.05	0.083	0.2	0.05	0.004	0.061	**	**	**	**
00680p CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	3	3.5	7.767	18.6	1.2	89.343	9.452	**	**	**	**
00900p HARDNESS, TOTAL (MG/L AS CaCO3)	07/06/87-04/06/93	3	16.	17.667	23.	14.	22.333	4.726	**	**	**	**
31616p FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	3	200.	183.333	300.	50.	15833.333	125.831	**	**	**	**
31616p LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	3	2.301	2.159	2.477	1.699	0.167	0.408	**	**	**	**
31616p GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			144.225								
70507p PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	6 ##	0.005	0.014	0.06	0.005	0.001	0.022	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PRWI0010 Parameter Code: 00094

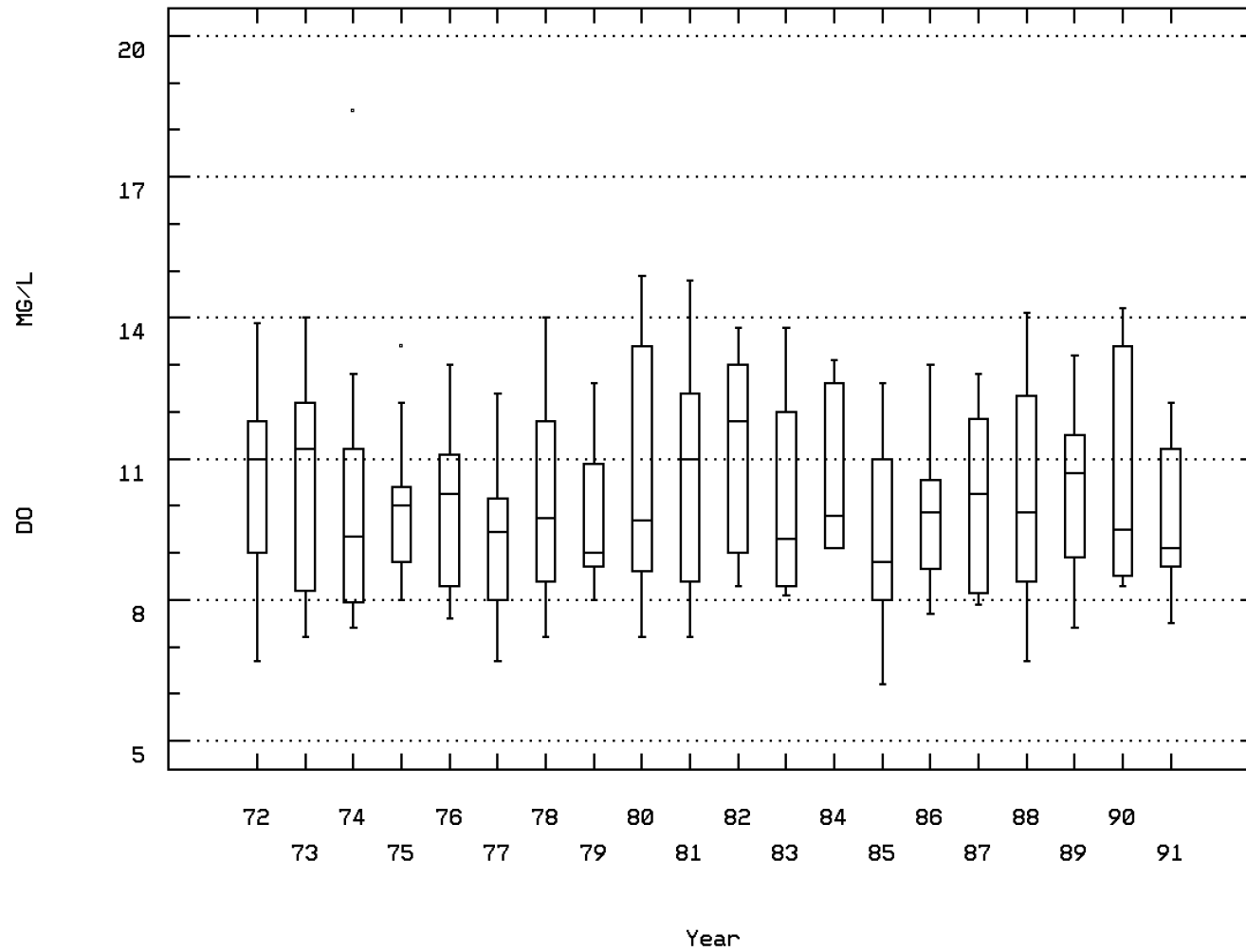
SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00300

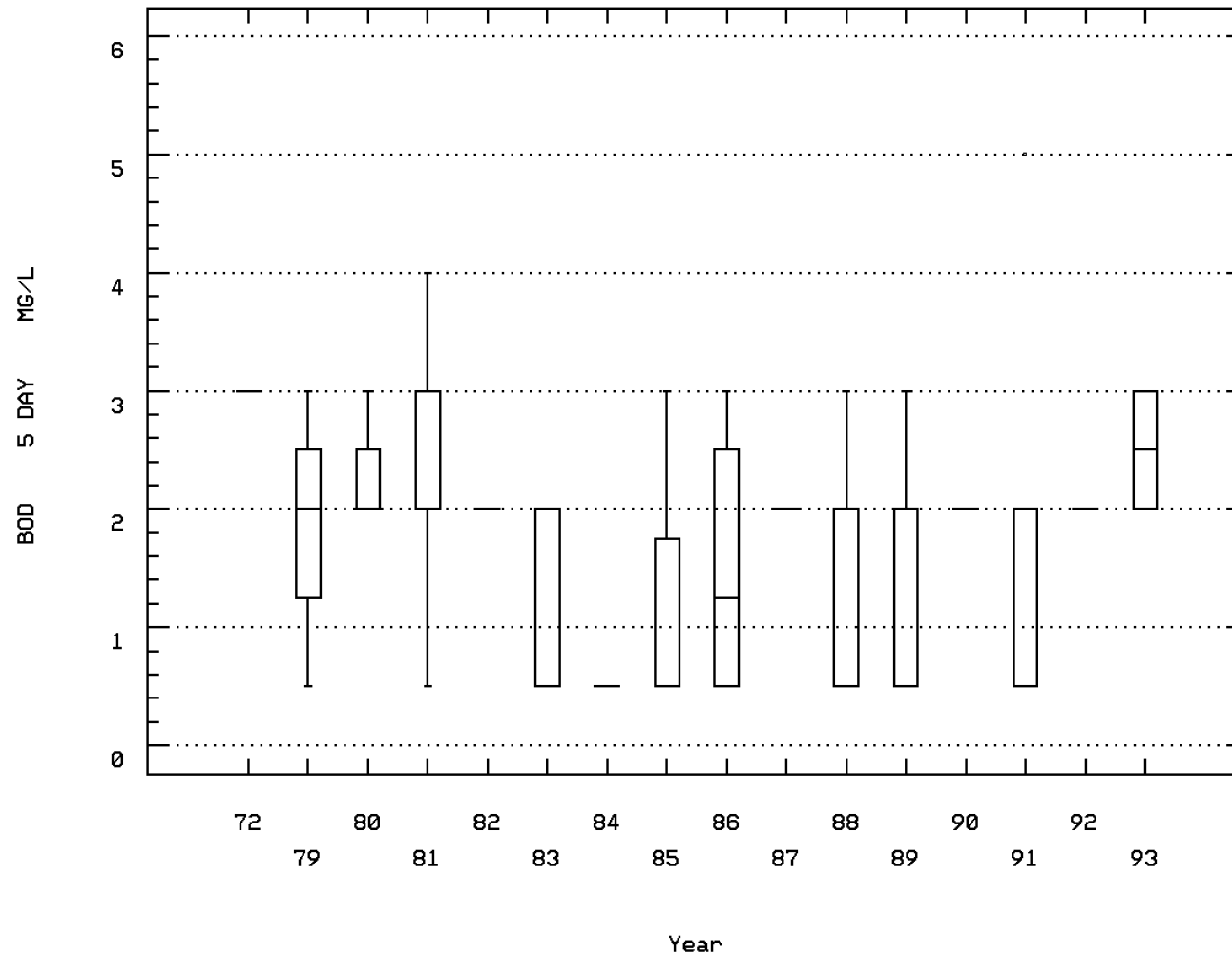
OXYGEN, DISSOLVED



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00310

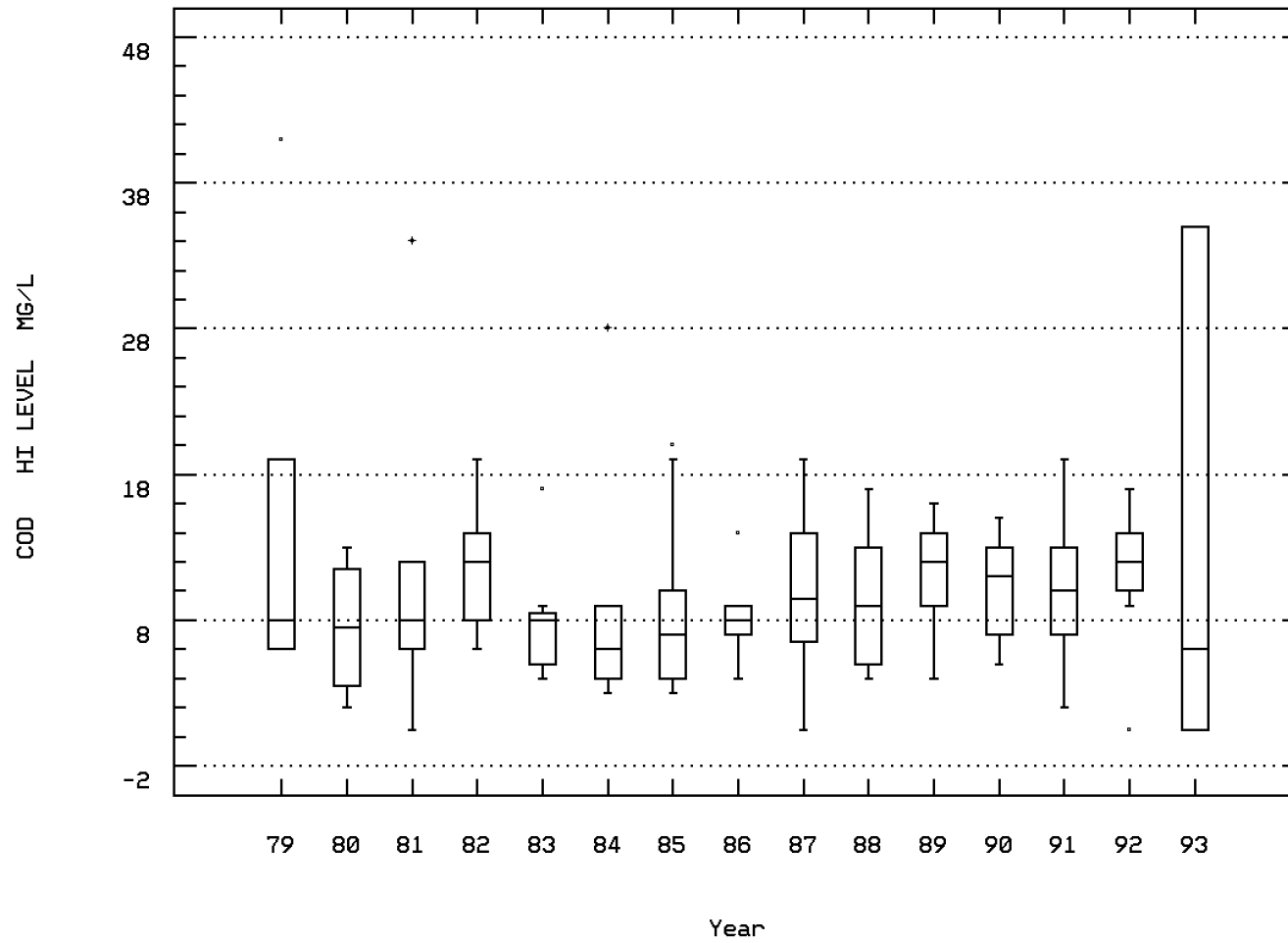
BOD, 5 DAY, 20 DEG C



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00340

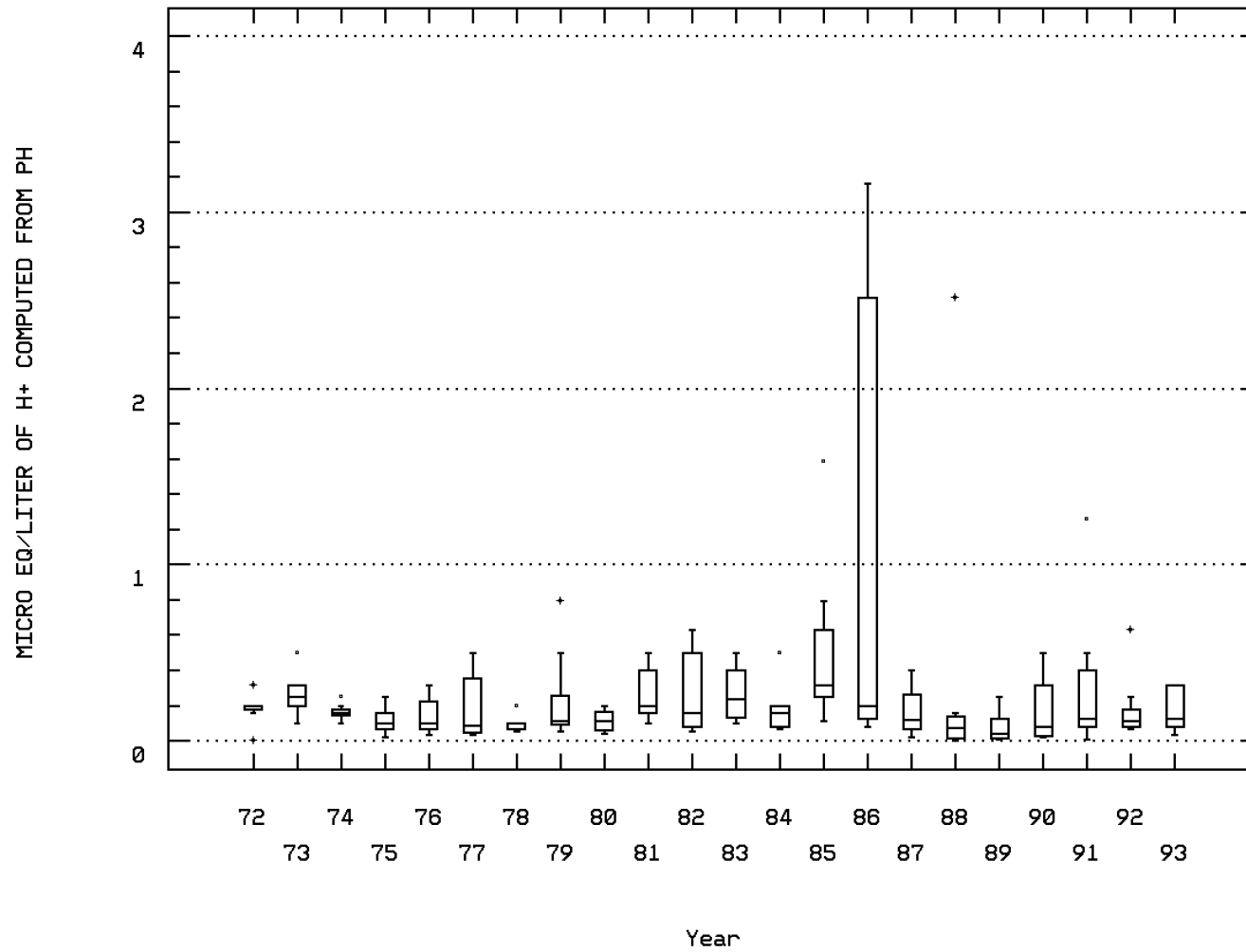
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RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH

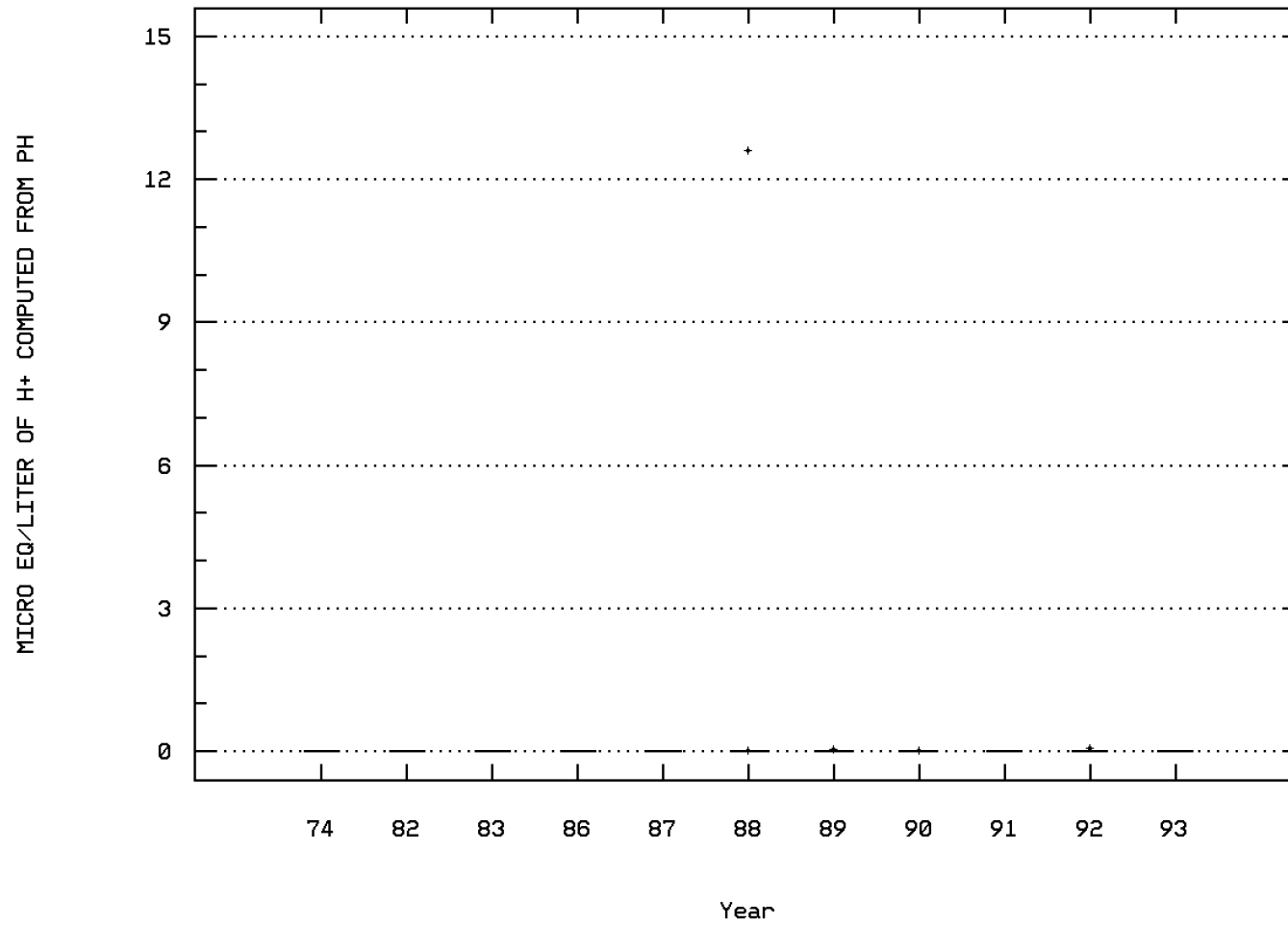


RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00403

MICRO EQ/LITER OF H+ COMPUTED FROM PH

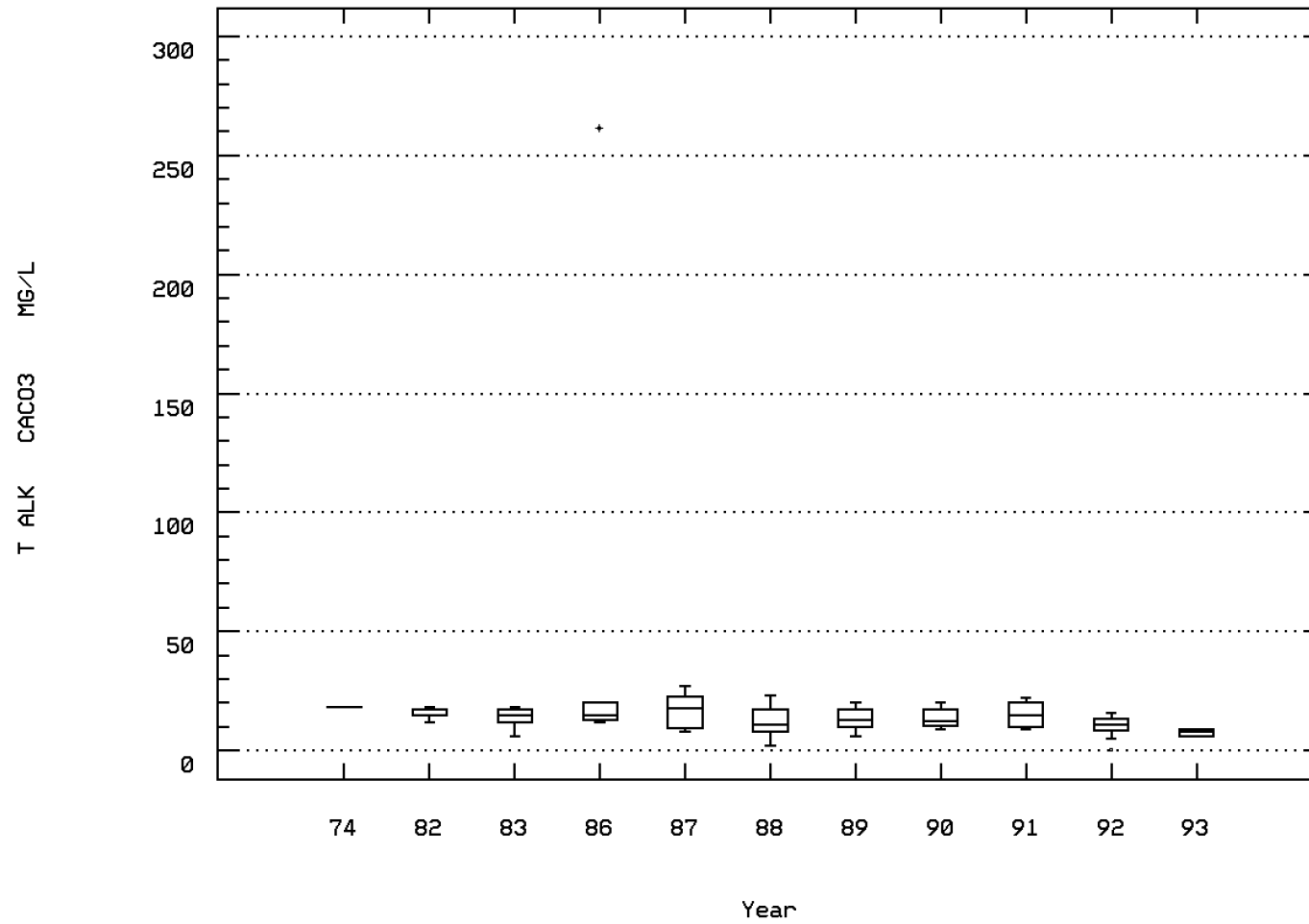
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RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00410

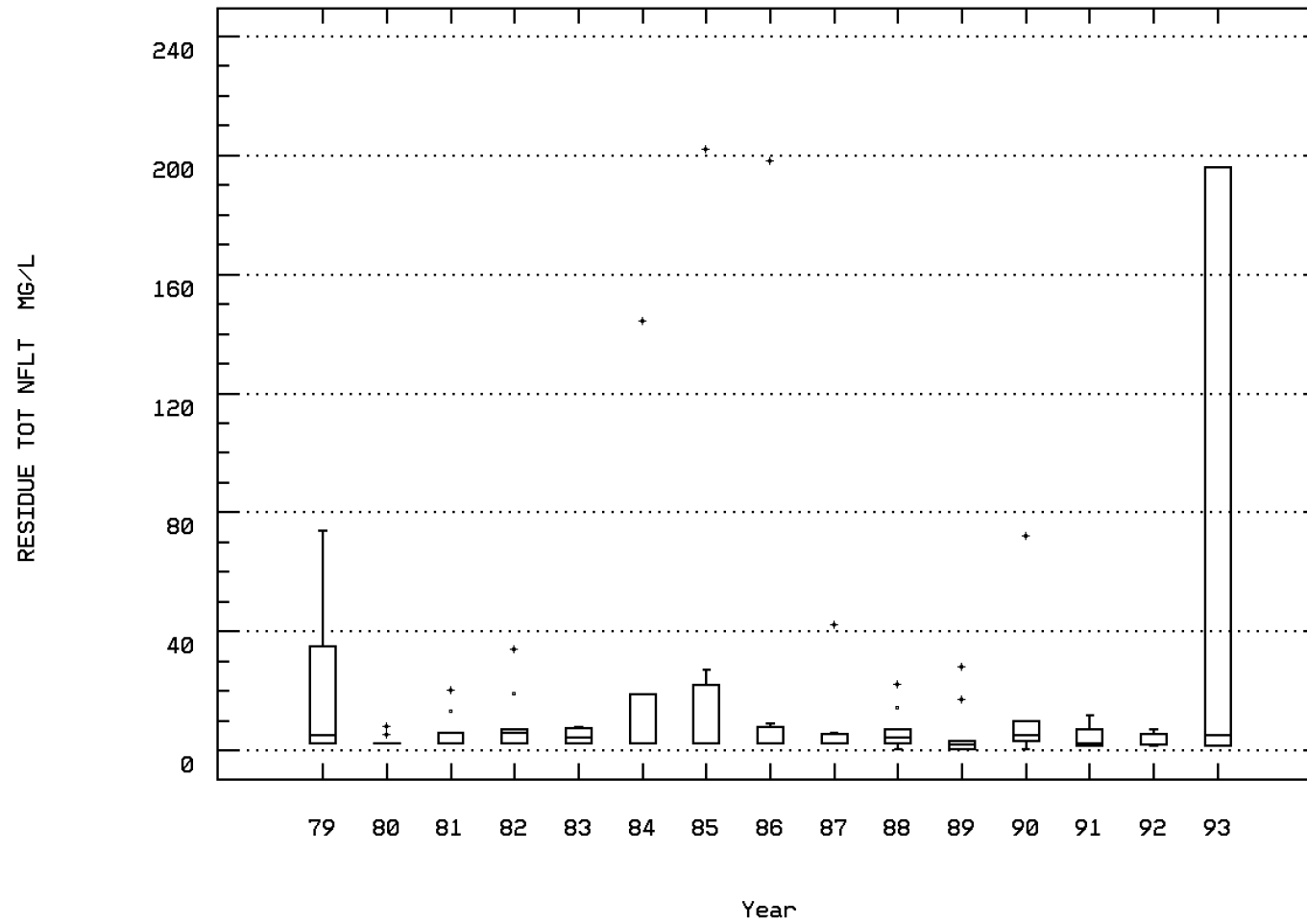
ALKALINITY, TOTAL (MG/L AS CaCO3)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00530

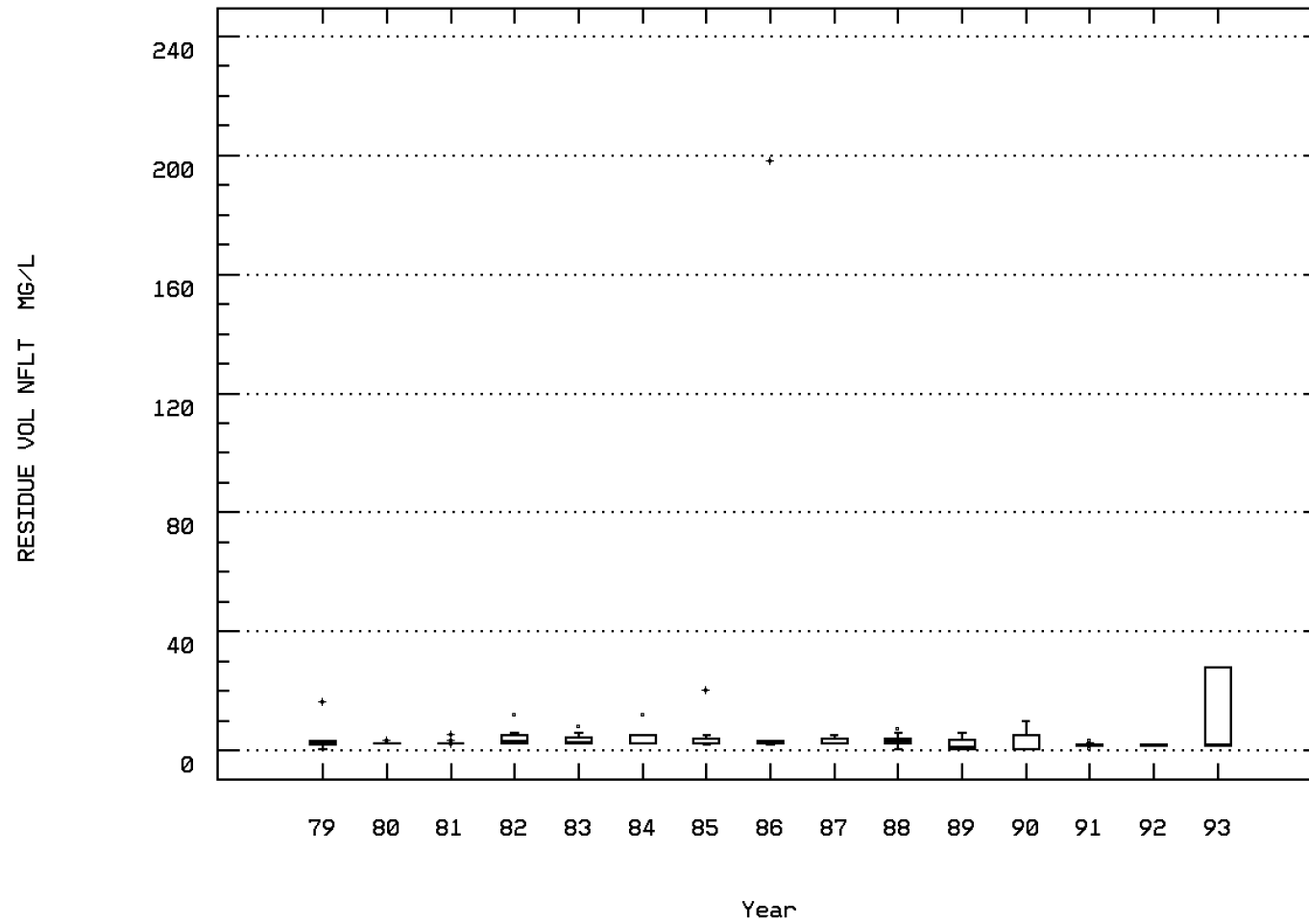
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00535

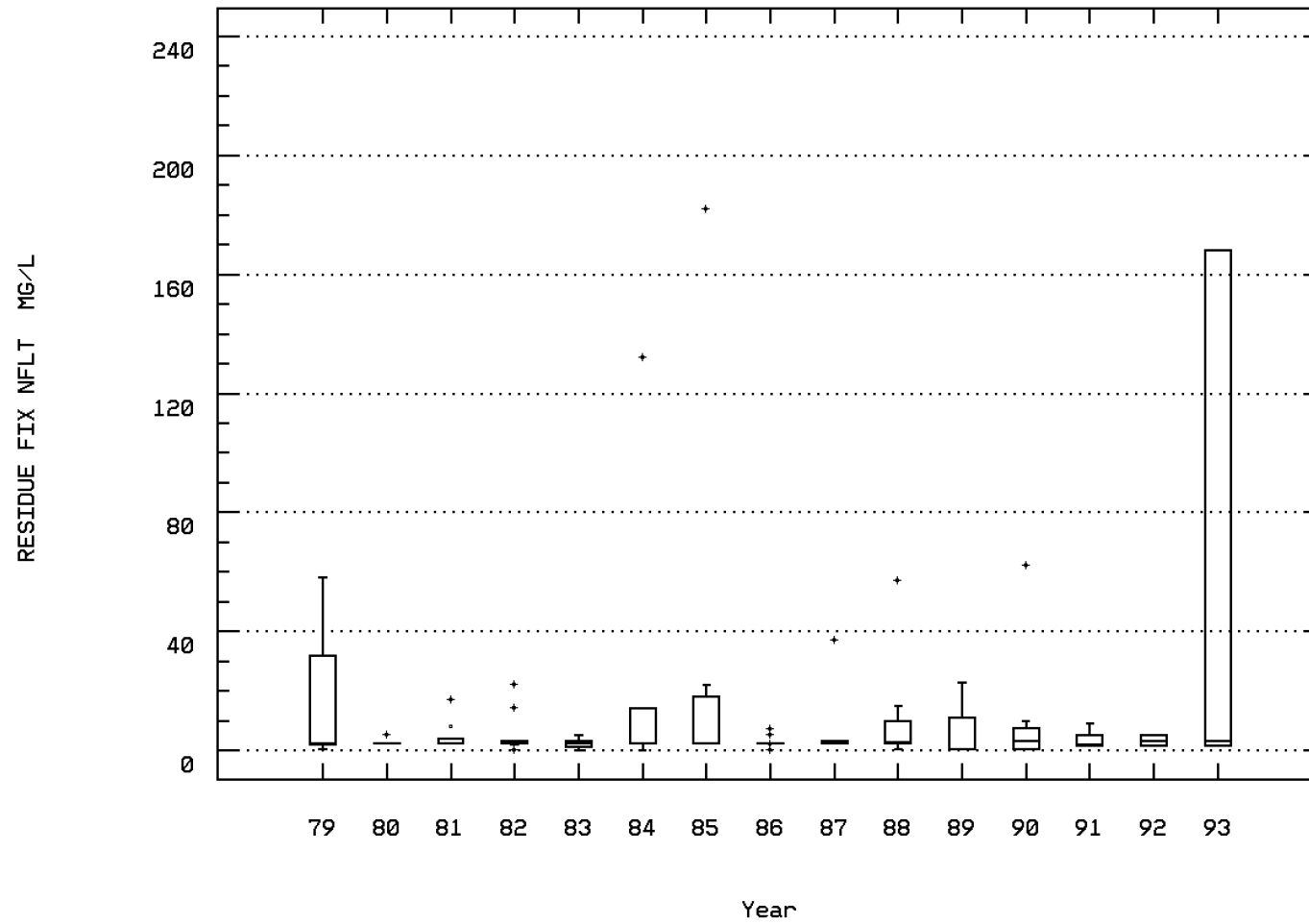
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00540

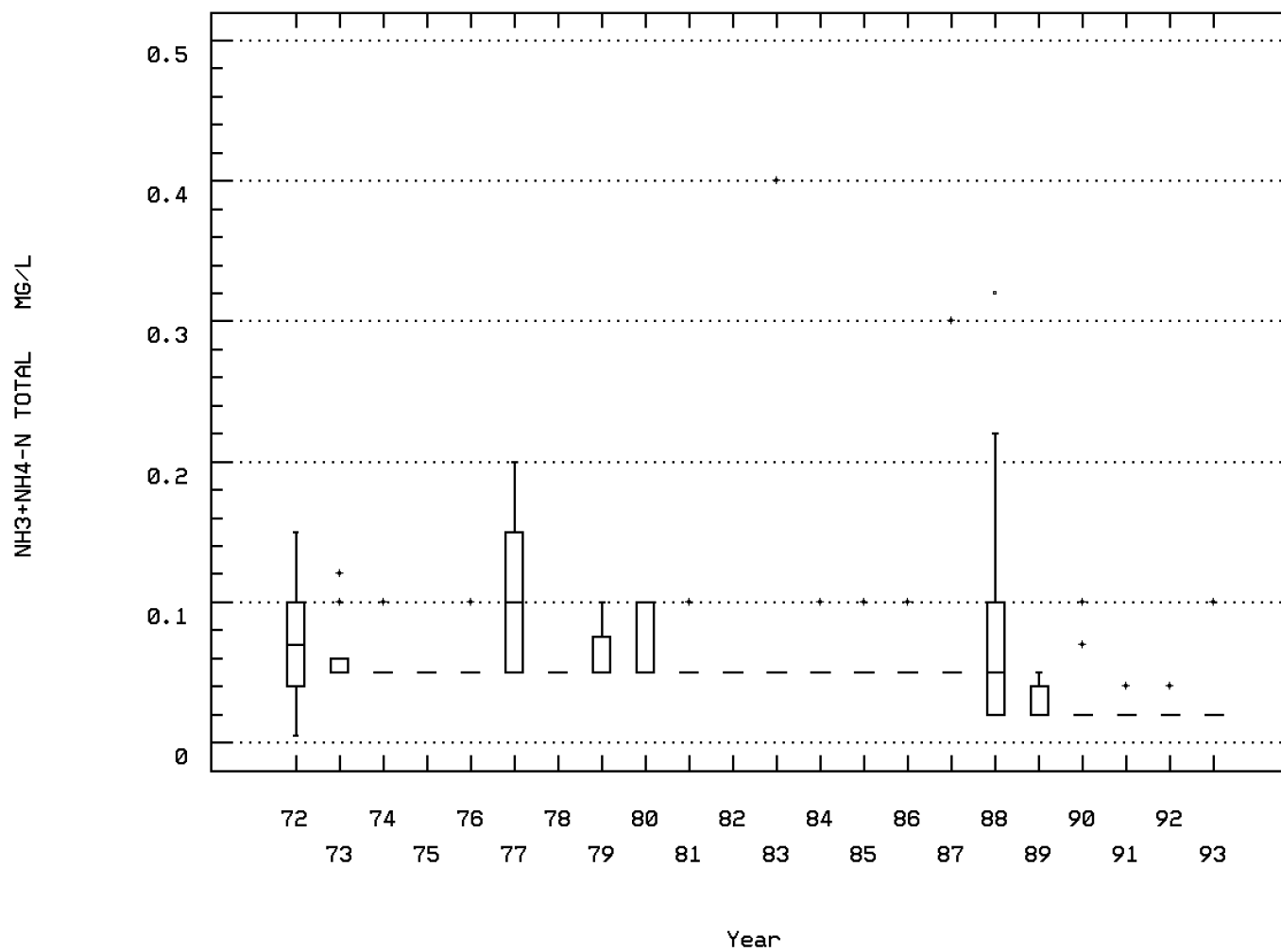
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00610

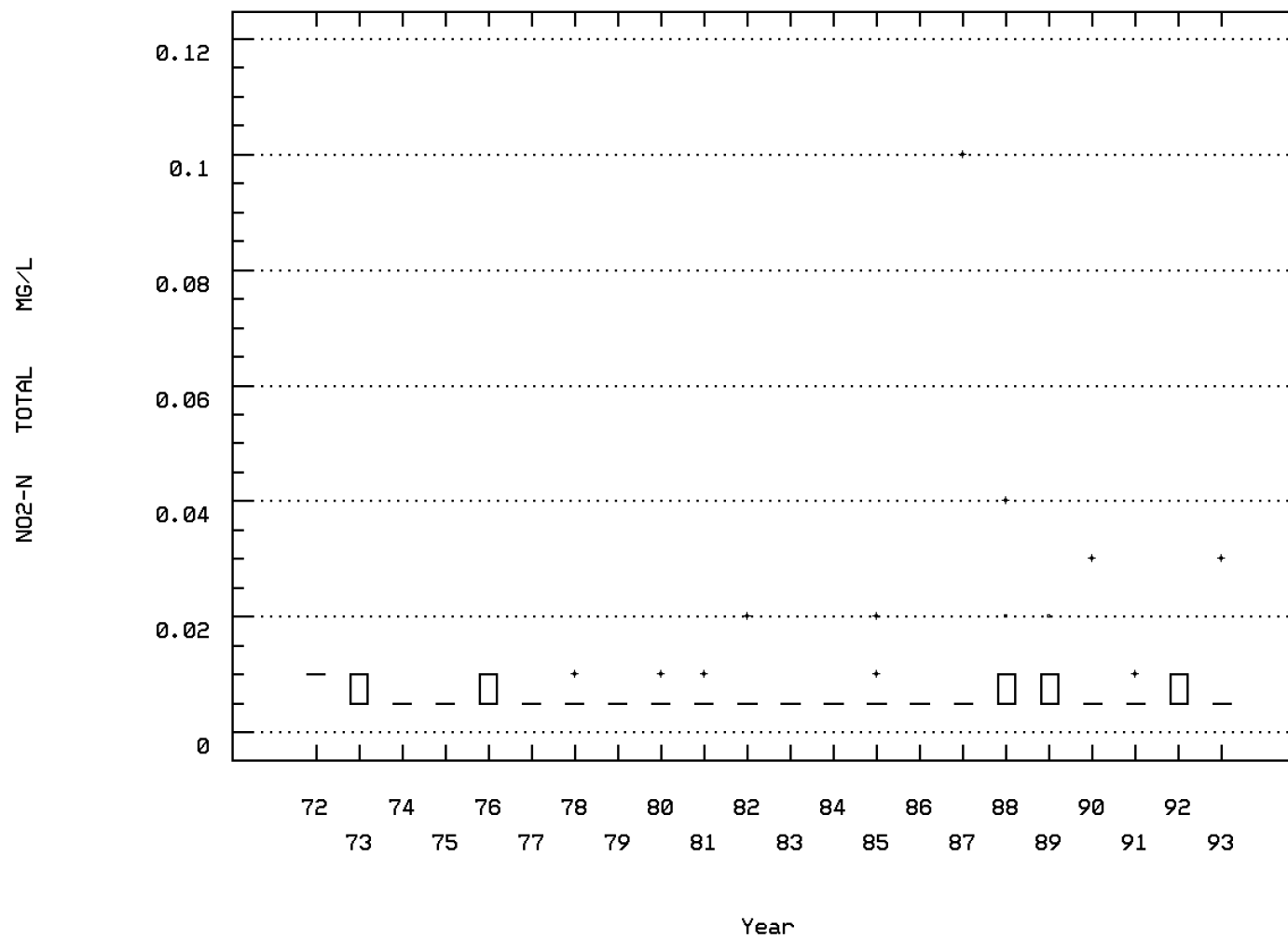
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00615

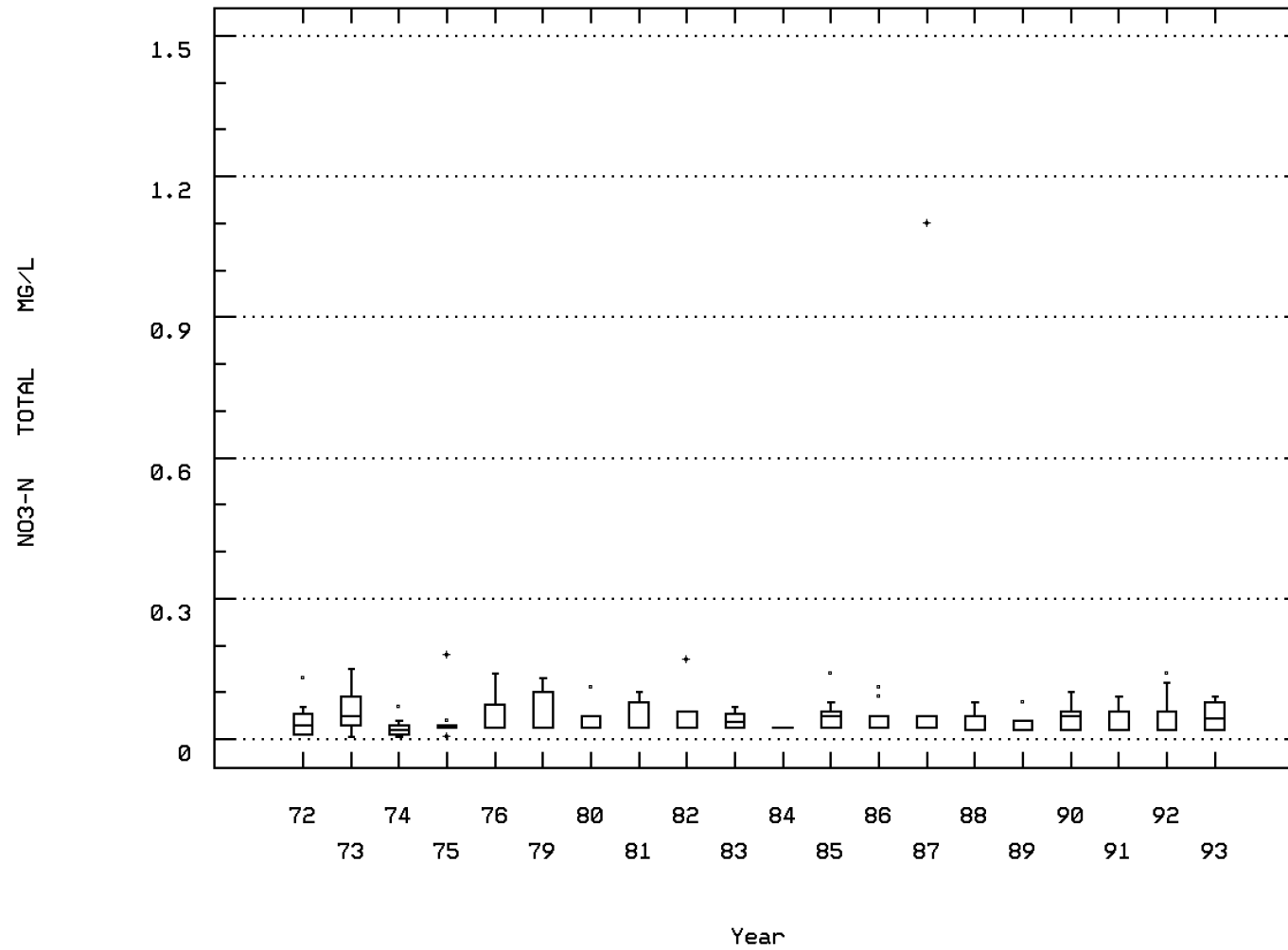
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00620

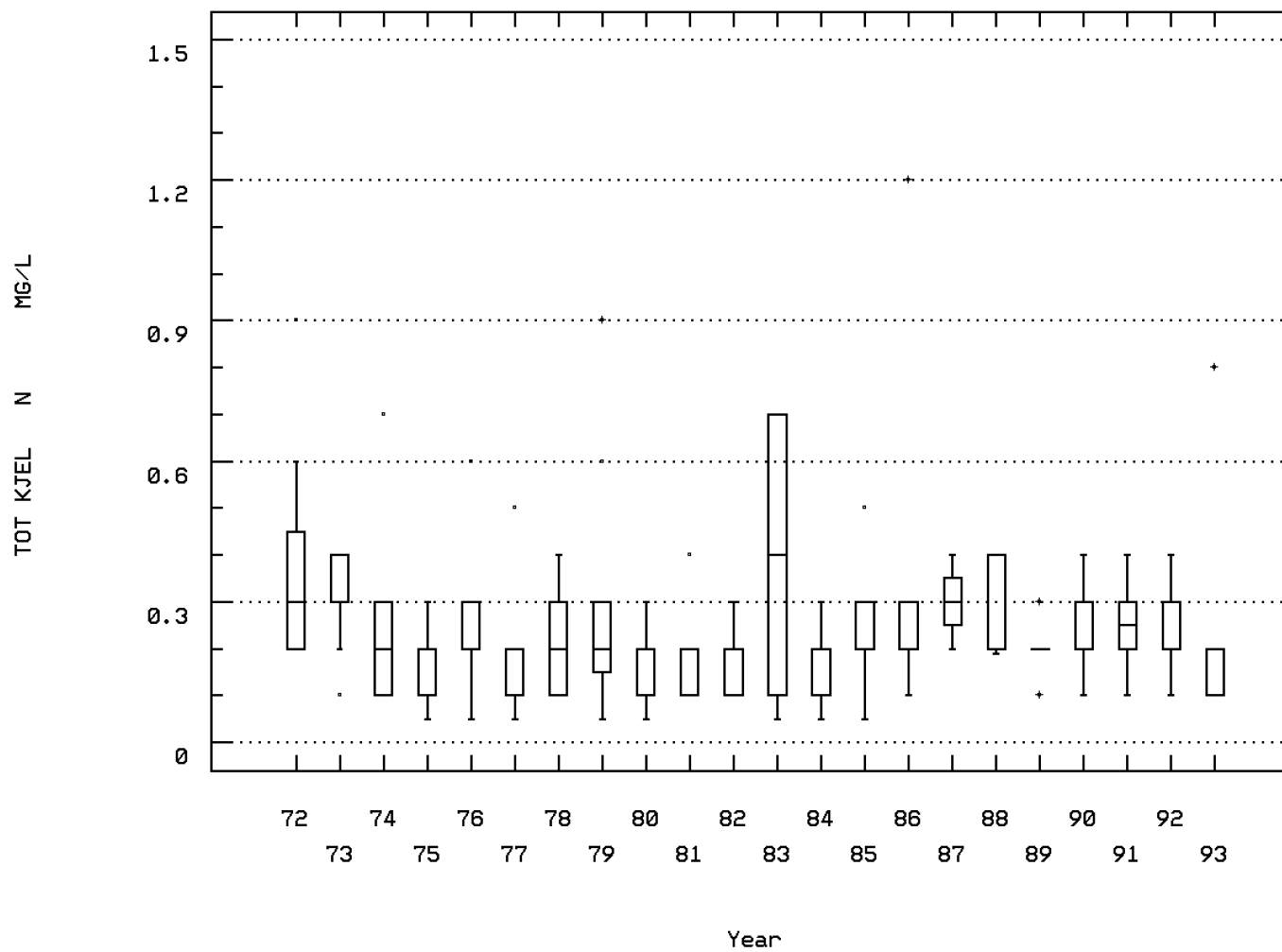
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00625

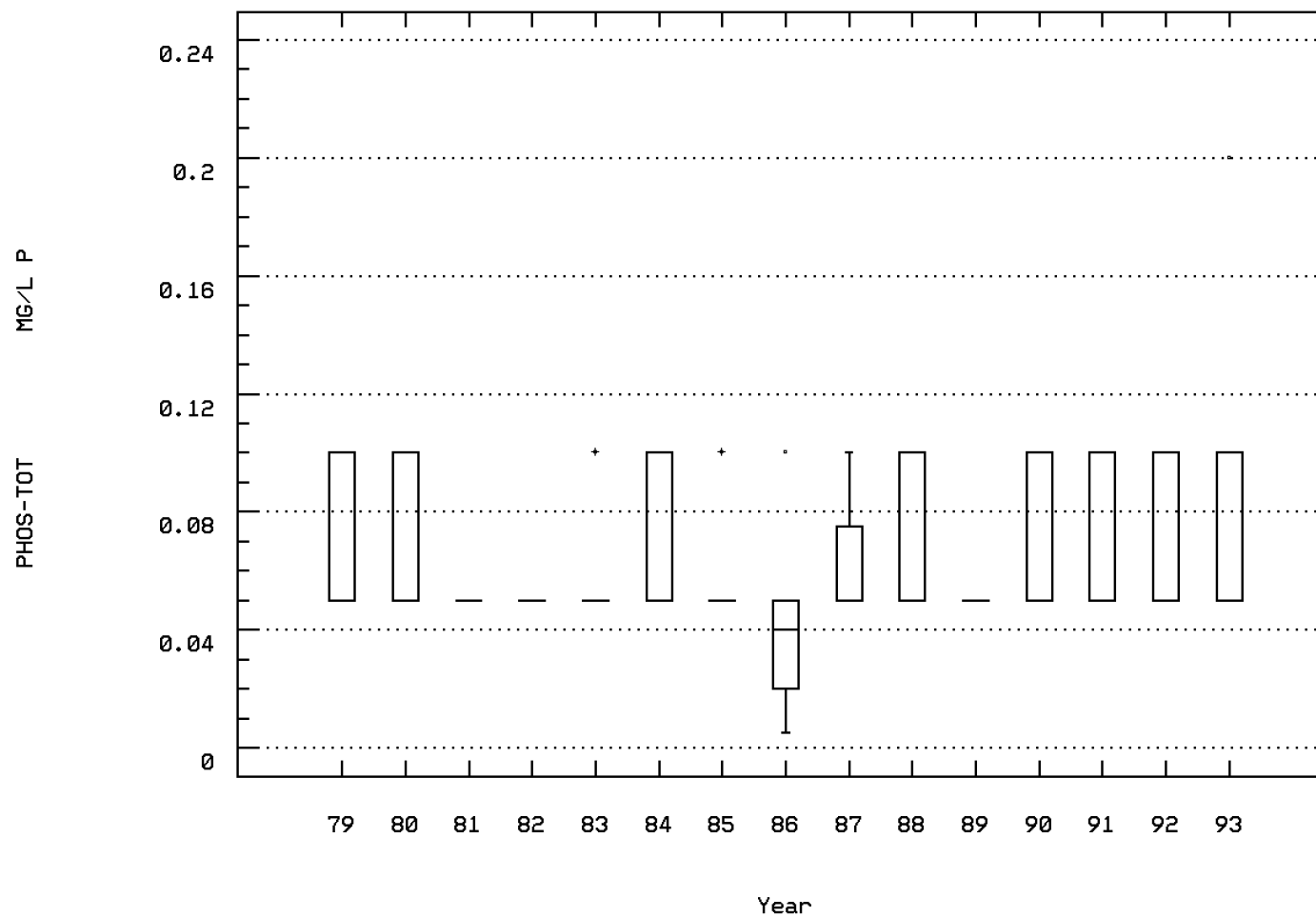
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00665

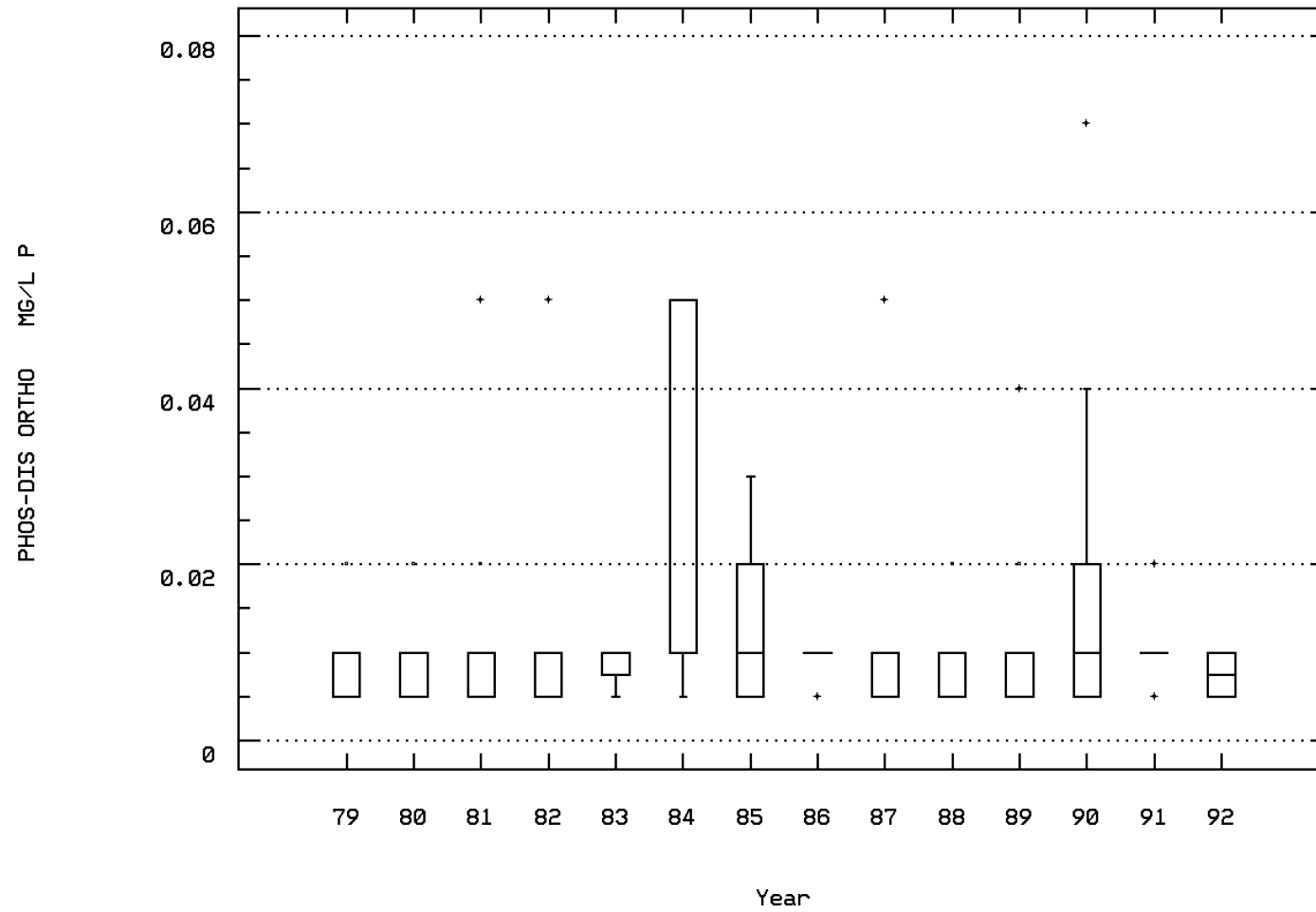
PHOSPHORUS, TOTAL (MG/L AS P)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00671

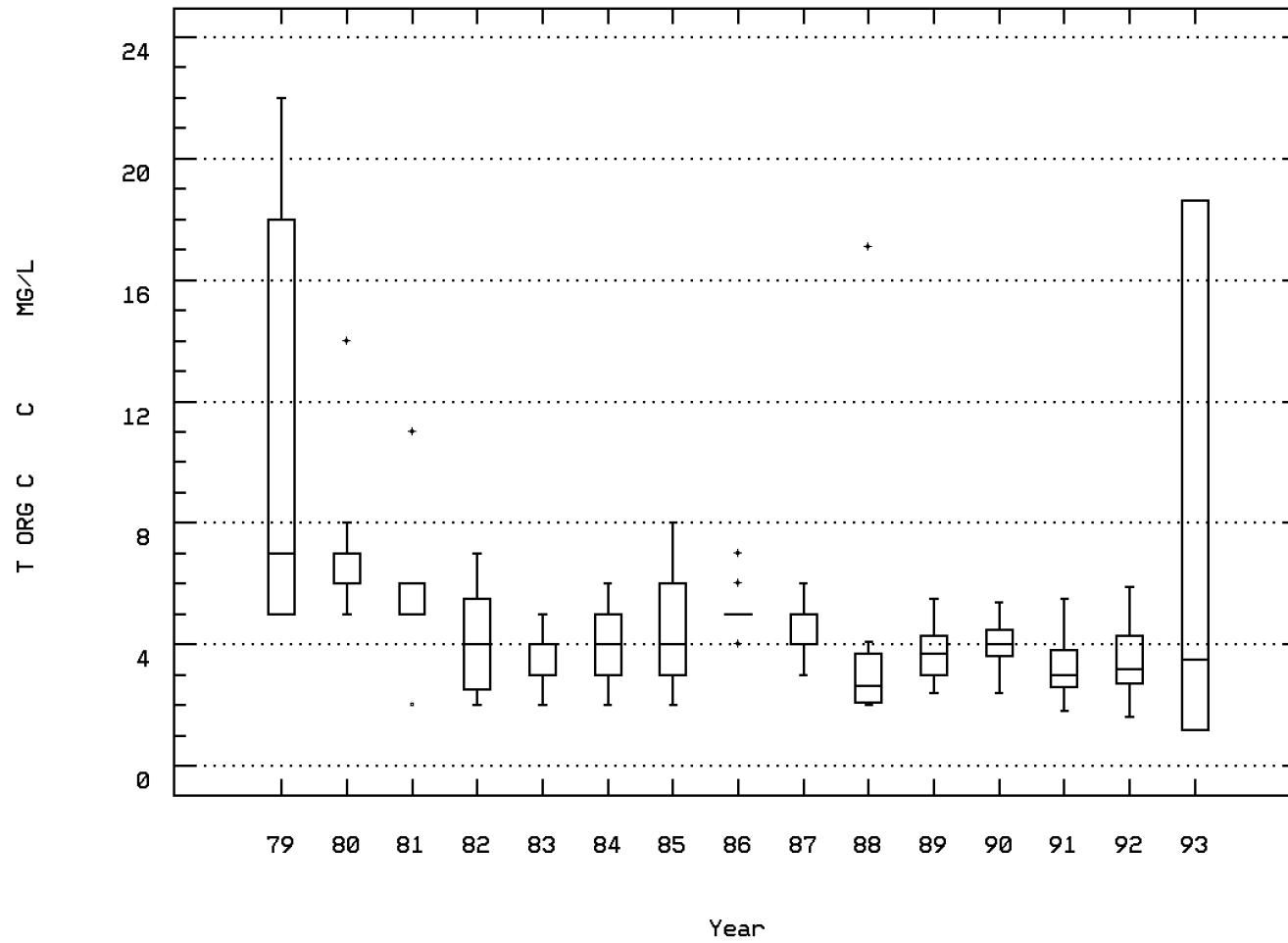
PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (M



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00680

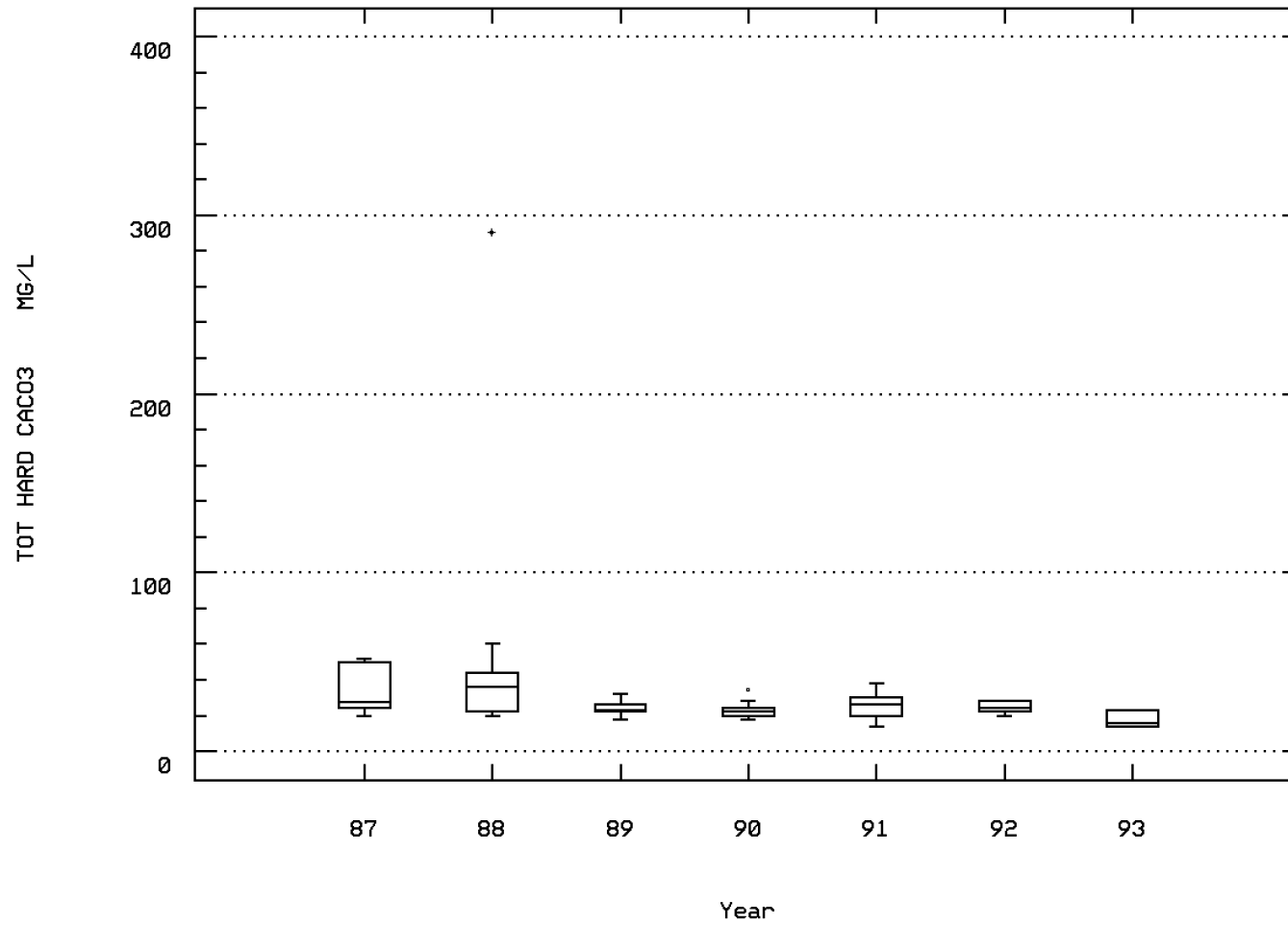
CARBON, TOTAL ORGANIC (MG/L AS C)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00900

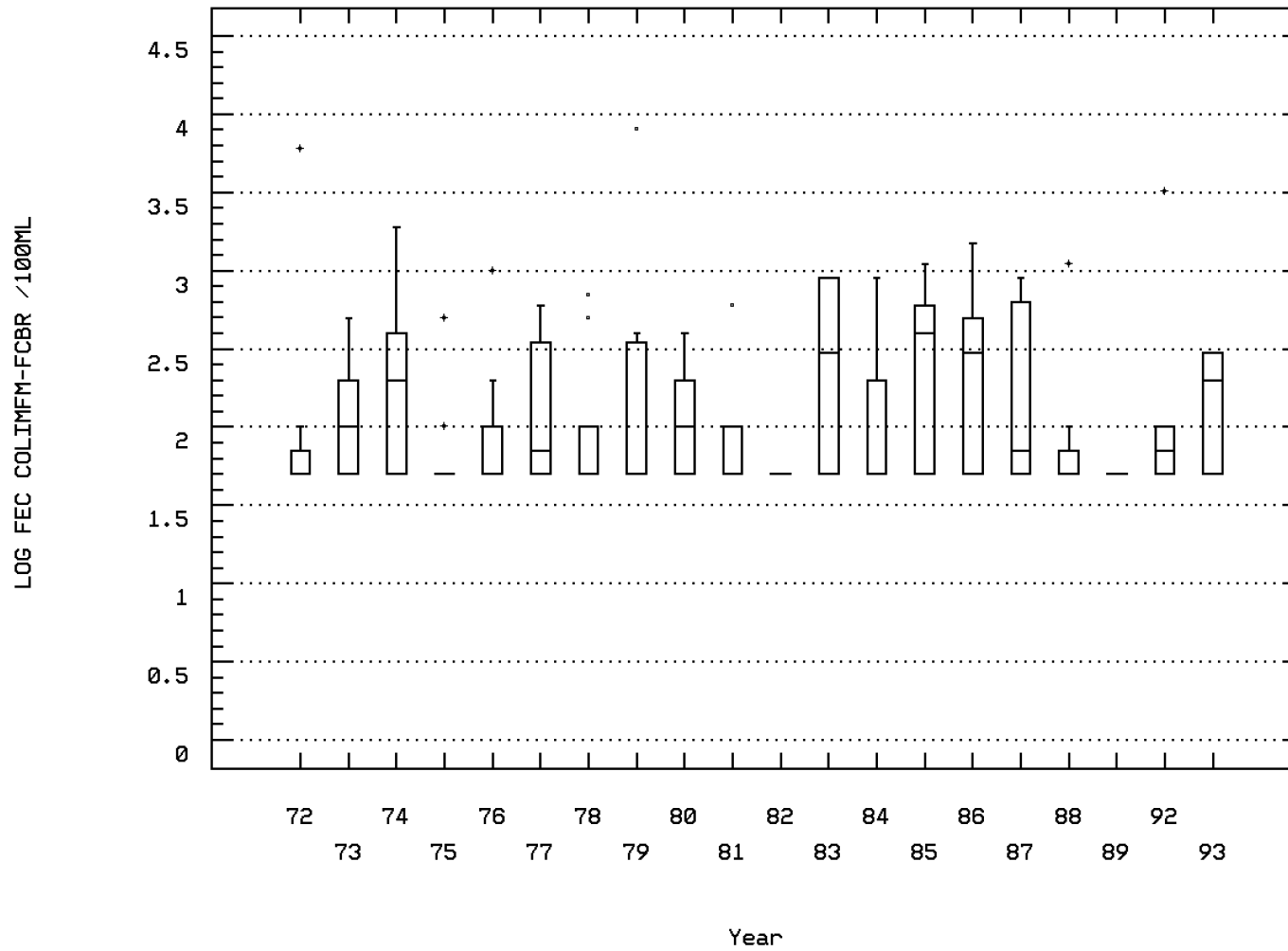
HARDNESS, TOTAL (MG/L AS CaCO3)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 31616

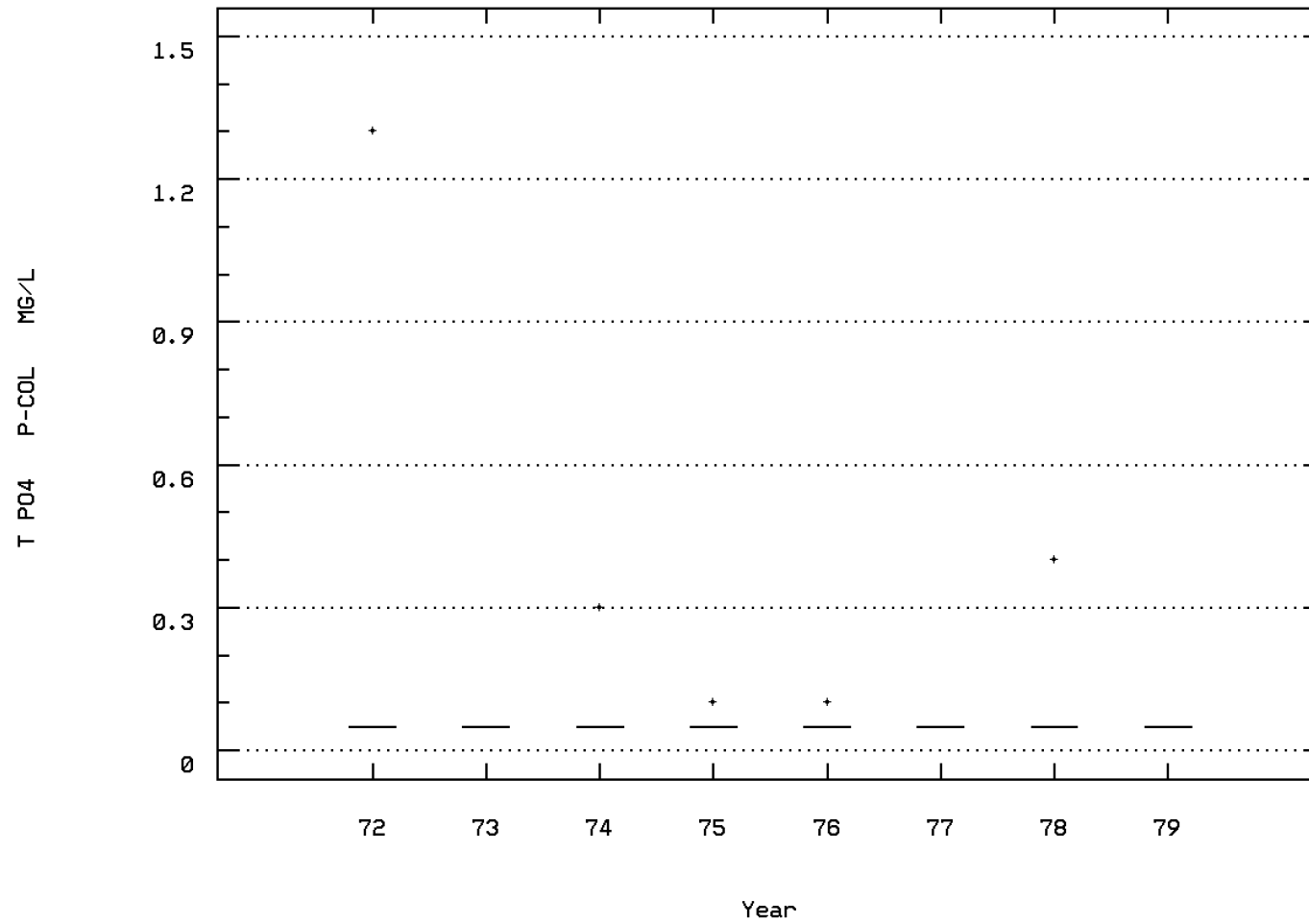
LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 70505

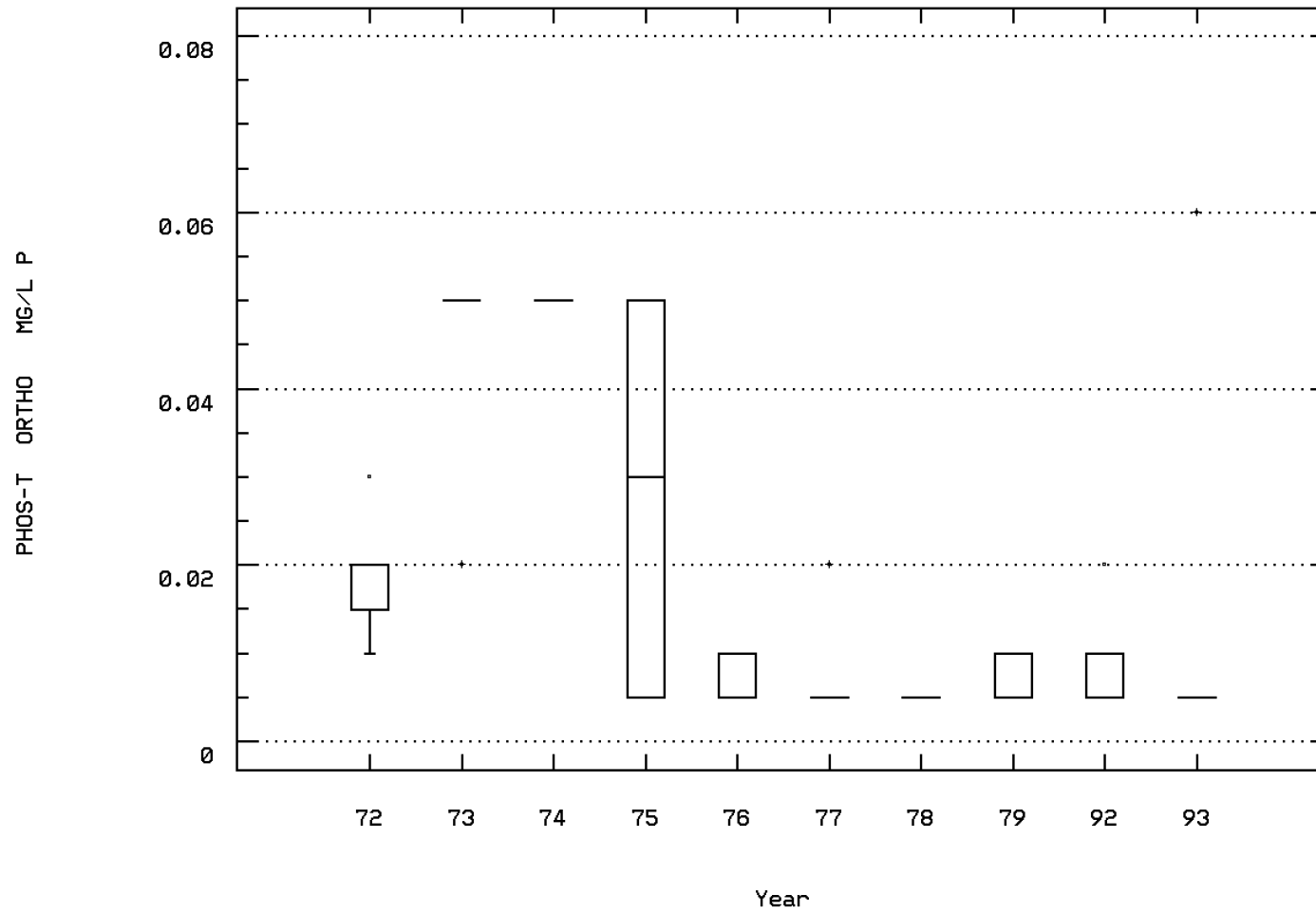
PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 70507

PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/



RT. 1 (BUSINESS) BRIDGE

Seasonal Analysis for Season #1: 10/01 to 3/15 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	99	5.4	6.918	19.3	0.	25.519	5.052	0.9	3.	10.8	14.3
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/26/82-04/14/92	30	5.55	10.15	95.	2.2	304.184	17.441	2.86	3.9	9.1	14.7
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	55	74.	80.382	189.	46.	699.203	26.442	57.	63.	92.	114.2
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	87	11.8	11.583	14.9	7.2	2.882	1.698	9.16	10.2	12.9	13.72
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	64	1.	1.563	5.	0.5	0.702	0.838	0.75	1.	2.	3.
00340	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	63	10.	10.524	35.	0.5	52.237	7.228	3.4	5.	14.	19.
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	92	6.8	6.85	8.8	5.9	0.179	0.423	6.3	6.6	7.	7.3
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	92	6.8	6.688	8.8	5.9	0.205	0.453	6.3	6.6	7.	7.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	92	0.158	0.205	1.259	0.002	0.036	0.189	0.05	0.1	0.251	0.501
00403p	PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	36	6.6	6.394	7.4	1.9	0.825	0.908	5.97	6.4	6.7	6.96
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	36	6.6	3.455	7.4	1.9	9.715	3.117	5.97	6.4	6.7	6.96
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	36	0.251	351.125	12589.254	0.04	4401500.207	2097.975	0.112	0.2	0.398	1.078
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	36	11.5	11.528	20.	0.	16.999	4.123	6.	9.	15.	17.
00500	RESIDUE, TOTAL (MG/L)	07/10/79-04/06/93	26	73.5	82.308	222.	50.	1403.022	37.457	52.	62.25	84.	128.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-04/06/93	26	18.	18.423	47.	6.	79.854	8.936	7.	11.75	24.	28.9
00510	RESIDUE, TOTAL FIXED (MG/L)	07/10/79-04/06/93	25	54.	64.12	175.	40.	1019.193	31.925	41.6	45.	65.5	110.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	63	3.	18.167	202.	0.5	2067.952	45.475	1.5	2.5	8.	32.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	63	2.5	6.706	198.	0.5	618.497	24.87	1.	1.5	3.	7.2
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	62	2.5	13.427	182.	0.	1273.048	35.68	0.5	1.5	5.	29.3
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	97 ##	0.05	0.052	0.12	0.02	0.	0.022	0.02	0.05	0.05	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	98 ##	0.005	0.007	0.03	0.005	0.	0.004	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	87	0.03	0.046	0.17	0.005	0.001	0.034	0.02	0.025	0.06	0.092
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	98	0.2	0.225	1.2	0.05	0.024	0.155	0.1	0.1	0.3	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	63 ##	0.05	0.061	0.2	0.02	0.001	0.027	0.05	0.05	0.05	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	57	0.01	0.013	0.07	0.005	0.	0.013	0.005	0.005	0.01	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	57	4.3	5.047	18.6	1.	12.848	3.584	1.88	3.2	6.	7.2
00940	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	28	4.	5.643	26.	2.	20.608	4.54	2.9	4.	5.75	10.2
00955	SILICA, DISSOLVED (MG/L AS SiO2)	06/29/83-01/05/93	18	15.75	14.794	18.3	9.7	6.892	2.625	9.97	13.6	16.5	18.03
01002p	ARSENIC, TOTAL (UG/L AS AS)	01/30/72-03/10/93	10 ##	2.	2.45	5.	0.5	3.581	1.892	0.5	0.875	5.	5.
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/30/72-03/10/93	10 ##	5.	4.15	5.	1.5	1.947	1.395	1.6	2.5	5.	5.
01034p	CHROMIUM, TOTAL (UG/L AS CR)	01/30/72-03/10/93	12 ##	5.	6.667	25.	5.	33.333	5.774	5.	5.	5.	19.
01042p	COPPER, TOTAL (UG/L AS CU)	01/30/72-03/10/93	13	20.	26.462	70.	5.	564.436	23.758	5.	7.5	45.	70.
01051p	LEAD, TOTAL (UG/L AS PB)	01/30/72-03/10/93	13 ##	5.	10.846	70.	1.5	339.266	18.419	1.5	4.5	6.5	50.4
01092p	ZINC, TOTAL (UG/L AS ZN)	01/30/72-03/10/93	13	150.	147.	280.	80.	3847.	62.024	80.	90.5	190.	248.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	76 ##	50.	139.474	1900.	50.	74487.719	272.924	50.	50.	100.	330.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	76 ##	1.699	1.885	3.279	1.699	0.133	0.365	1.699	1.699	2.	2.515
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =											
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	01/24/72-06/18/79	35 ##	0.05	0.051	0.1	0.05	0.	0.008	0.05	0.05	0.05	0.05
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	41 ##	0.01	0.02	0.06	0.005	0.	0.02	0.005	0.005	0.05	0.05
71900p	MERCURY, TOTAL (UG/L AS HG)	01/30/72-03/10/93	12 ##	0.2	0.279	1.2	0.15	0.087	0.294	0.15	0.15	0.25	0.915

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 3/16 to 6/30 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	63	17.6	16.533	28.	3.	26.567	5.154	10.	13.7	20.5	22.8
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/26/82-04/14/92	14	4.45	7.2	18.4	2.3	31.485	5.611	2.8	3.55	10.775	18.05
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	32	69.5	71.625	119.	53.	147.597	12.149	59.	64.25	76.75	84.7
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	57	9.8	9.863	18.4	6.2	3.51	1.874	8.	8.8	10.5	11.56
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	36	1.	1.306	4.	0.5	0.59	0.768	0.5	1.	1.75	2.3
00340	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	36	9.	9.278	15.	3.	11.406	3.377	4.7	7.	12.75	14.
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	56	6.9	6.891	8.44	5.6	0.164	0.405	6.4	6.7	7.075	7.36
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	56	6.9	6.691	8.44	5.6	0.205	0.453	6.4	6.7	7.075	7.36
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	56	0.126	0.204	2.512	0.004	0.113	0.337	0.045	0.085	0.2	0.398
00403p	PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	22	6.6	6.655	7.5	6.3	0.057	0.239	6.4	6.5	6.7	6.9
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	22	6.6	6.607	7.5	6.3	0.059	0.243	6.4	6.5	6.7	6.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 3/16 to 6/30 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	22	0.251	0.247	0.501	0.032	0.01	0.101	0.126	0.2	0.316	0.398
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	22	11.5	24.182	261.	8.	2818.346	53.088	9.	9.75	15.25	25.5
00500	RESIDUE, TOTAL (MG/L)	07/10/79-04/06/93	13	63.	64.923	97.	50.	121.077	11.003	52.8	59.	67.	86.2
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-04/06/93	13	18.	16.385	27.	6.	48.756	6.983	7.2	10.	22.5	26.6
00510	RESIDUE, TOTAL FIXED (MG/L)	07/10/79-04/06/93	13	47.	48.538	71.	39.	77.936	8.828	39.8	42.	52.	66.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	35 ##	2.5	4.643	42.	0.5	51.479	7.175	1.5	2.5	4.	8.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	35 ##	2.5	2.2	6.	0.5	1.268	1.126	0.5	1.5	2.5	2.7
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	35 ##	2.5	3.943	37.	0.5	37.703	6.14	1.	2.5	2.5	7.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	61 ##	0.05	0.048	0.1	0.005	0.001	0.023	0.02	0.02	0.05	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	62 ##	0.005	0.008	0.1	0.005	0.	0.013	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	52 ##	0.025	0.061	1.1	0.01	0.023	0.151	0.02	0.02	0.05	0.107
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	61	0.2	0.269	0.9	0.05	0.029	0.171	0.1	0.2	0.3	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	39 ##	0.05	0.057	0.1	0.005	0.001	0.023	0.05	0.05	0.05	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	33	0.01	0.011	0.04	0.005	0.	0.008	0.005	0.008	0.01	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	36	3.65	4.317	14.	1.	5.287	2.299	2.	3.	5.85	6.3
00940	CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	12	4.	6.417	37.	2.	93.356	9.662	2.3	3.	4.	27.4
00955	SILICA, DISSOLVED (MG/L AS SiO2)	06/29/83-01/05/93	12	15.65	15.617	20.	12.5	4.394	2.096	12.65	14.025	16.95	19.22
01002p	ARSENIC, TOTAL (UG/L AS AS)	01/30/72-03/10/93	5 ##	2.	2.3	5.	1.	2.7	1.643	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/30/72-03/10/93	6 ##	5.	13.333	50.	5.	326.667	18.074	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	01/30/72-03/10/93	8 ##	5.	5.625	10.	5.	3.125	1.768	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	01/30/72-03/10/93	8 ##	5.	8.75	30.	5.	76.786	8.763	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/30/72-03/10/93	7 ##	5.	5.214	16.	1.5	25.155	5.015	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	01/30/72-03/10/93	8	60.	53.125	90.	5.	1035.268	32.176	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	49 ##	50.	270.408	3200.	50.	262908.163	512.746	50.	50.	200.	600.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	49 ##	1.699	2.09	3.505	1.699	0.235	0.485	1.699	1.699	2.301	2.778
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	49 ##	1.699	2.09	3.505	1.699	0.235	0.485	1.699	1.699	2.301	2.778
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	01/24/72-06/18/79	22 ##	0.05	0.052	0.1	0.05	0.	0.011	0.05	0.05	0.05	0.05
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	29 ##	0.01	0.022	0.05	0.005	0.	0.019	0.005	0.005	0.05	0.05
71900p	MERCURY, TOTAL (UG/L AS HG)	01/30/72-03/10/93	8 ##	0.25	0.225	0.25	0.15	0.002	0.046	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 7/01 to 9/30 - Station PRWI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/72-07/13/93	58	22.8	22.824	33.8	2.7	17.374	4.168	18.48	21.2	24.725	27.02
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/26/82-04/14/92	17	5.4	7.665	21.	1.8	38.735	6.224	1.88	2.95	13.7	19.4
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/10/79-07/13/93	31	91.	116.097	420.	13.	7253.824	85.169	58.2	77.	121.	167.2
00300p	OXYGEN, DISSOLVED MG/L	01/24/72-11/05/91	54	8.2	8.283	11.	6.7	0.717	0.847	7.2	7.8	8.925	9.25
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/30/72-04/06/93	37	1.	1.149	3.	0.5	0.373	0.611	0.5	0.75	1.5	2.
00340	COD, .25N K2CR2O7 MG/L	07/10/79-04/06/93	37	8.	9.514	41.	1.	43.035	6.56	3.	6.	11.5	15.4
00400p	PH (STANDARD UNITS)	01/24/72-07/13/93	56	6.8	6.874	9.2	5.5	0.362	0.602	6.27	6.6	7.1	7.56
00400p	CONVERTED PH (STANDARD UNITS)	01/24/72-07/13/93	56	6.8	6.519	9.2	5.5	0.491	0.701	6.27	6.6	7.1	7.56
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/72-07/13/93	56	0.158	0.303	3.162	0.001	0.306	0.553	0.028	0.079	0.251	0.54
00403p	PH, LAB, STANDARD UNITS SU	07/20/74-04/06/93	26	6.7	6.558	7.2	4.6	0.286	0.535	5.82	6.5	6.825	7.03
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/20/74-04/06/93	26	6.7	5.871	7.2	4.6	0.777	0.881	5.82	6.5	6.825	7.03
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/74-04/06/93	26	0.2	1.347	25.119	0.063	24.075	4.907	0.094	0.15	0.316	1.894
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/20/74-04/06/93	26	18.	16.615	23.	2.	26.006	5.1	7.4	14.5	20.	22.3
00500	RESIDUE, TOTAL (MG/L)	07/10/79-04/06/93	14	64.	122.429	800.	46.	38758.11	196.871	46.5	58.25	76.5	478.5
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-04/06/93	14	20.	33.357	200.	5.	2511.478	50.115	6.	12.25	25.25	133.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/10/79-04/06/93	14	44.	89.	600.	38.	21837.385	147.775	38.	40.	60.5	345.5
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/10/79-04/06/93	37	2.5	7.973	74.	0.5	176.249	13.276	1.4	2.5	7.	22.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-04/06/93	37	2.5	3.122	16.	0.5	9.242	3.04	0.9	1.75	3.	6.2
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-04/06/93	37	2.5	5.784	58.	0.	103.383	10.168	0.5	1.5	5.	15.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/24/72-06/15/93	56 ##	0.05	0.075	0.4	0.02	0.006	0.078	0.02	0.05	0.05	0.2
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	56 ##	0.005	0.006	0.02	0.005	0.	0.003	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/24/72-06/15/93	51 ##	0.025	0.038	0.15	0.01	0.001	0.029	0.02	0.02	0.05	0.07

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

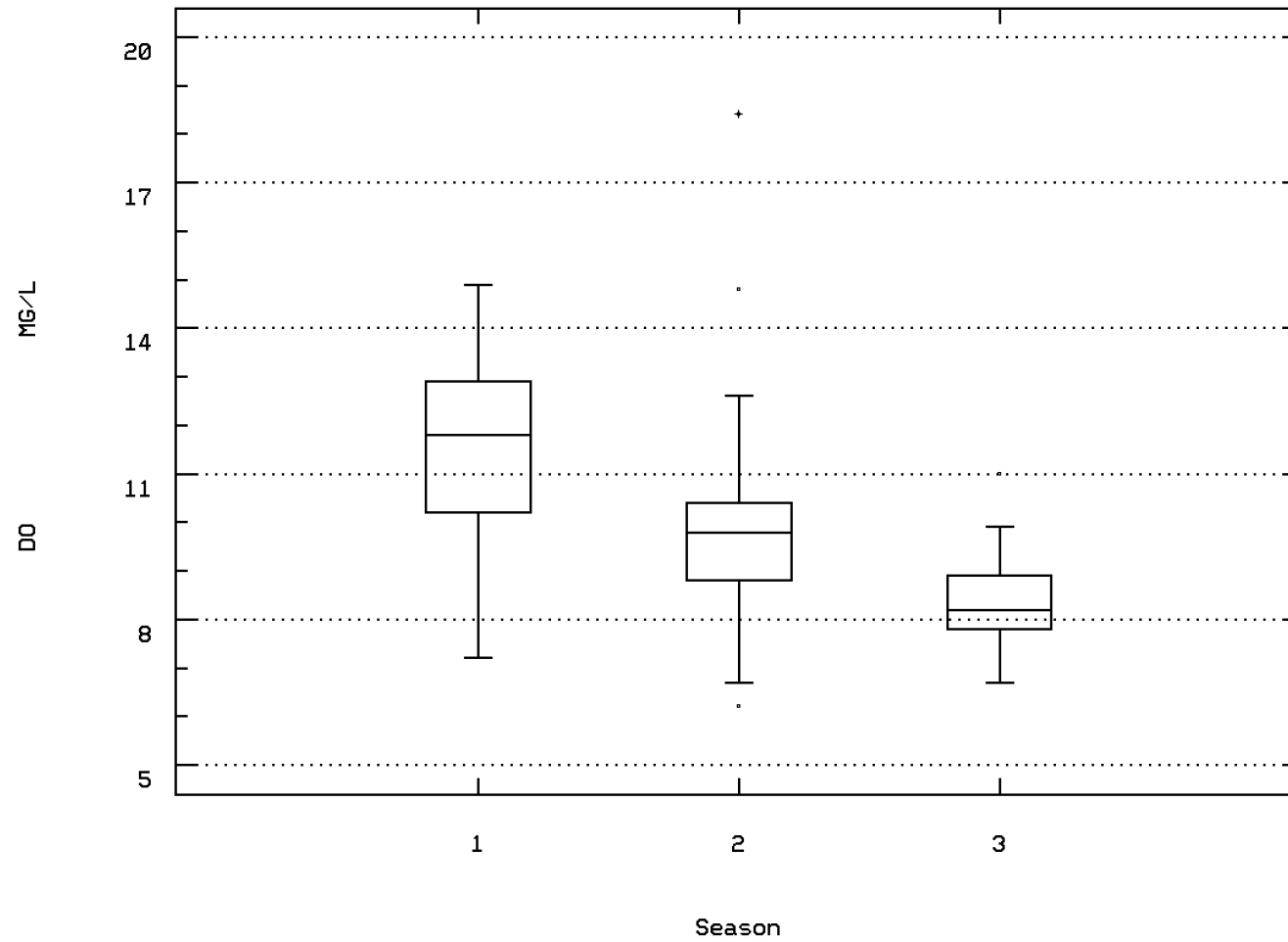
Seasonal Analysis for Season #3: 7/01 to 9/30 - Station PRWI0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/24/72-06/15/93	56	0.25	0.281	0.7	0.05	0.021	0.145	0.1	0.2	0.3	0.5
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/10/79-06/15/93	36 ##	0.05	0.061	0.1	0.02	0.001	0.023	0.05	0.05	0.088	0.1
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/10/79-04/14/92	32	0.01	0.011	0.05	0.005	0.	0.011	0.005	0.005	0.01	0.02
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/10/79-04/06/93	37	4.	4.559	22.	1.8	11.02	3.32	2.	3.	5.	6.2
00940 CHLORIDE, TOTAL IN WATER MG/L	07/14/82-04/06/93	17	3.	5.471	29.	2.	43.515	6.597	2.	3.	5.	16.2
00955 SILICA, DISSOLVED (MG/L AS SI02)	06/29/83-01/05/93	14	12.65	12.829	15.4	10.9	1.427	1.194	11.1	12.1	13.65	14.7
01002p ARSENIC, TOTAL (UG/L AS AS)	01/30/72-03/10/93	7 ##	0.5	0.571	1.	0.5	0.036	0.189	**	**	**	**
01027p CADMIUM, TOTAL (UG/L AS CD)	01/30/72-03/10/93	8 ##	1.25	2.625	7.	0.5	6.982	2.642	**	**	**	**
01034p CHROMIUM, TOTAL (UG/L AS CR)	01/30/72-03/10/93	8 ##	1.	2.938	10.	0.5	11.96	3.458	**	**	**	**
01042p COPPER, TOTAL (UG/L AS CU)	01/30/72-03/10/93	8	25.	30.625	70.	5.	417.411	20.431	**	**	**	**
01051p LEAD, TOTAL (UG/L AS PB)	01/30/72-03/10/93	8	3.	4.25	10.	1.	14.786	3.845	**	**	**	**
01092p ZINC, TOTAL (UG/L AS ZN)	01/30/72-03/10/93	8	155.	217.5	660.	60.	37364.286	193.298	**	**	**	**
31616p FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	43	100.	602.326	8000.	50.	2206303.987	1485.363	50.	50.	500.	1060.
31616p LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/24/72-05/11/93	43	2.	2.245	3.903	1.699	0.376	0.613	1.699	1.699	2.699	3.025
31616p GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			175.887								
70505 PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	01/24/72-06/18/79	20 ##	0.05	0.145	1.3	0.05	0.083	0.287	0.05	0.05	0.05	0.39
70507p PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/24/72-06/15/93	23 ##	0.01	0.021	0.05	0.005	0.	0.02	0.005	0.005	0.05	0.05
71900p MERCURY, TOTAL (UG/L AS HG)	01/30/72-03/10/93	8 ##	0.15	0.175	0.25	0.15	0.002	0.046	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: PRWI0010 Parameter Code: 00300

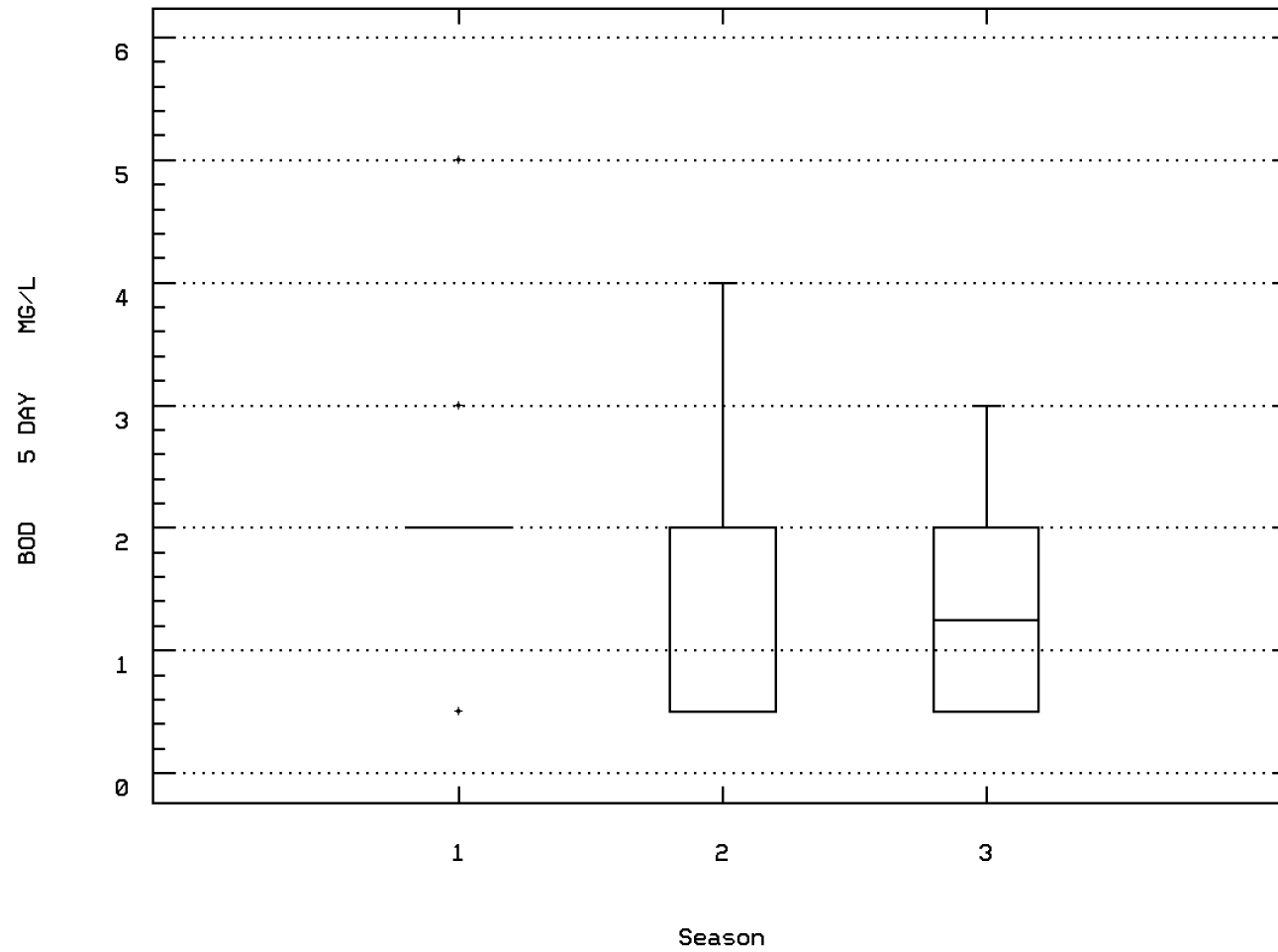
OXYGEN, DISSOLVED



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00310

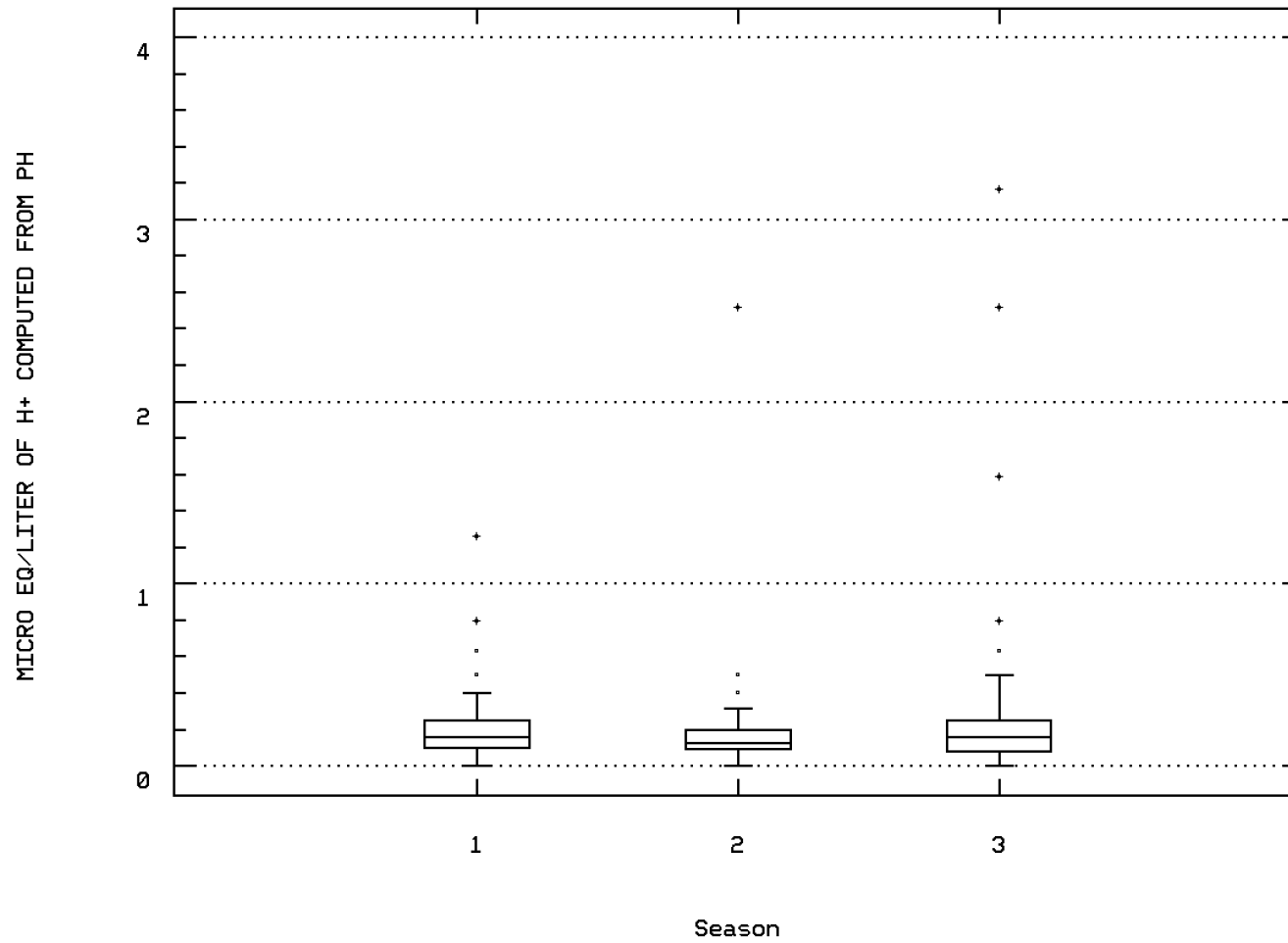
BOD, 5 DAY, 20 DEG C



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH

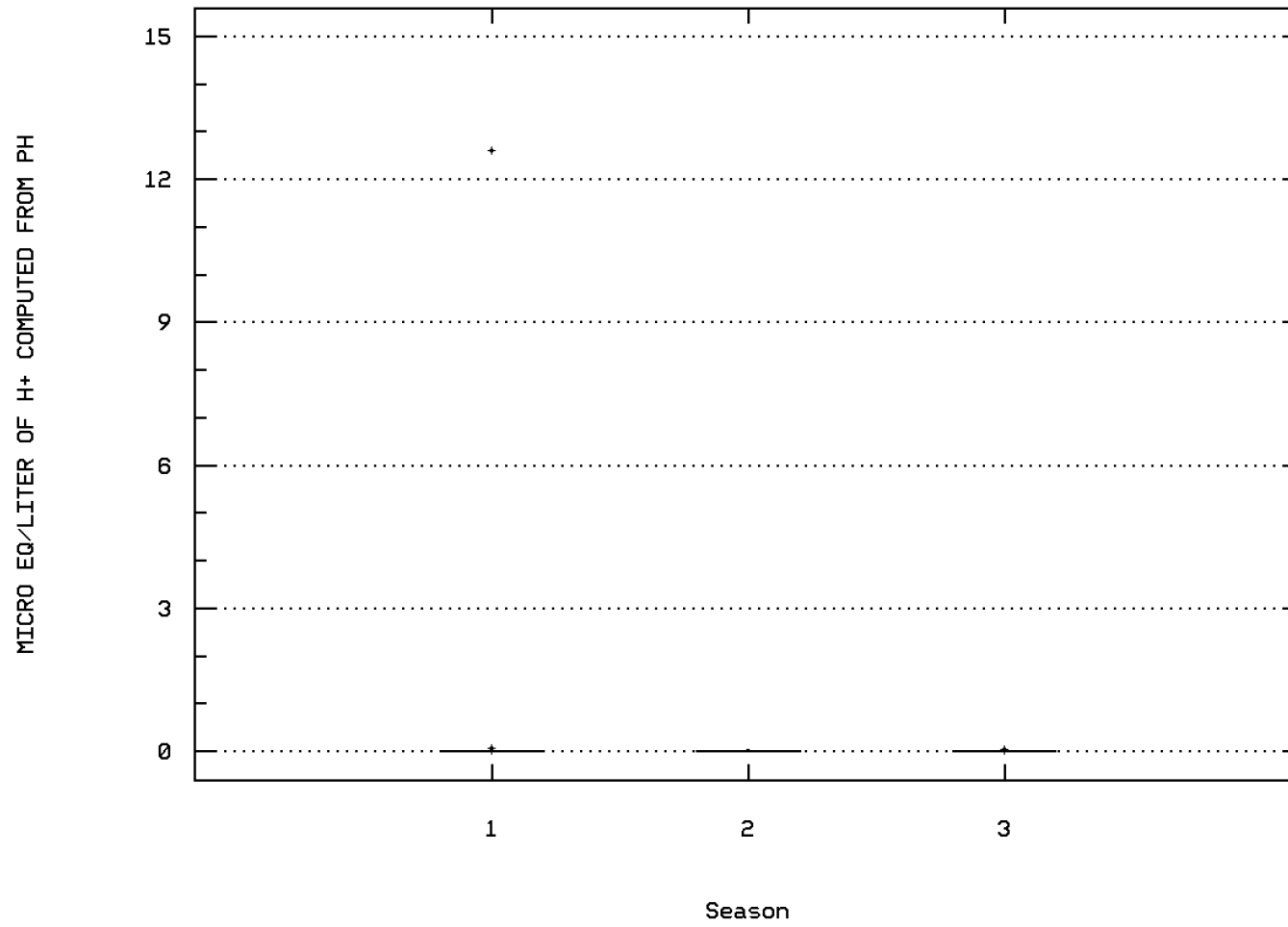


RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00403

MICRO EQ/LITER OF H+ COMPUTED FROM PH

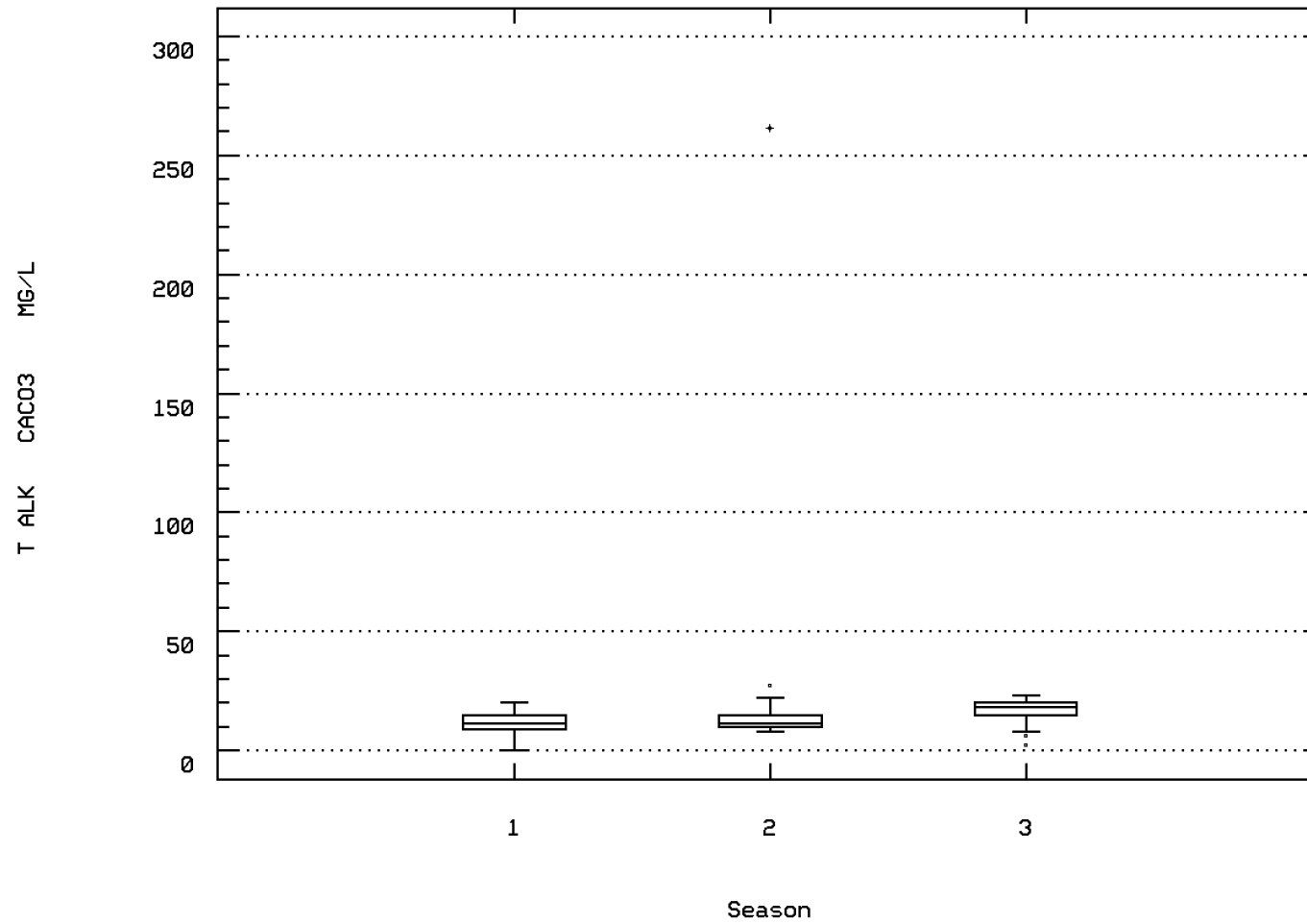
(X 1000)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00410

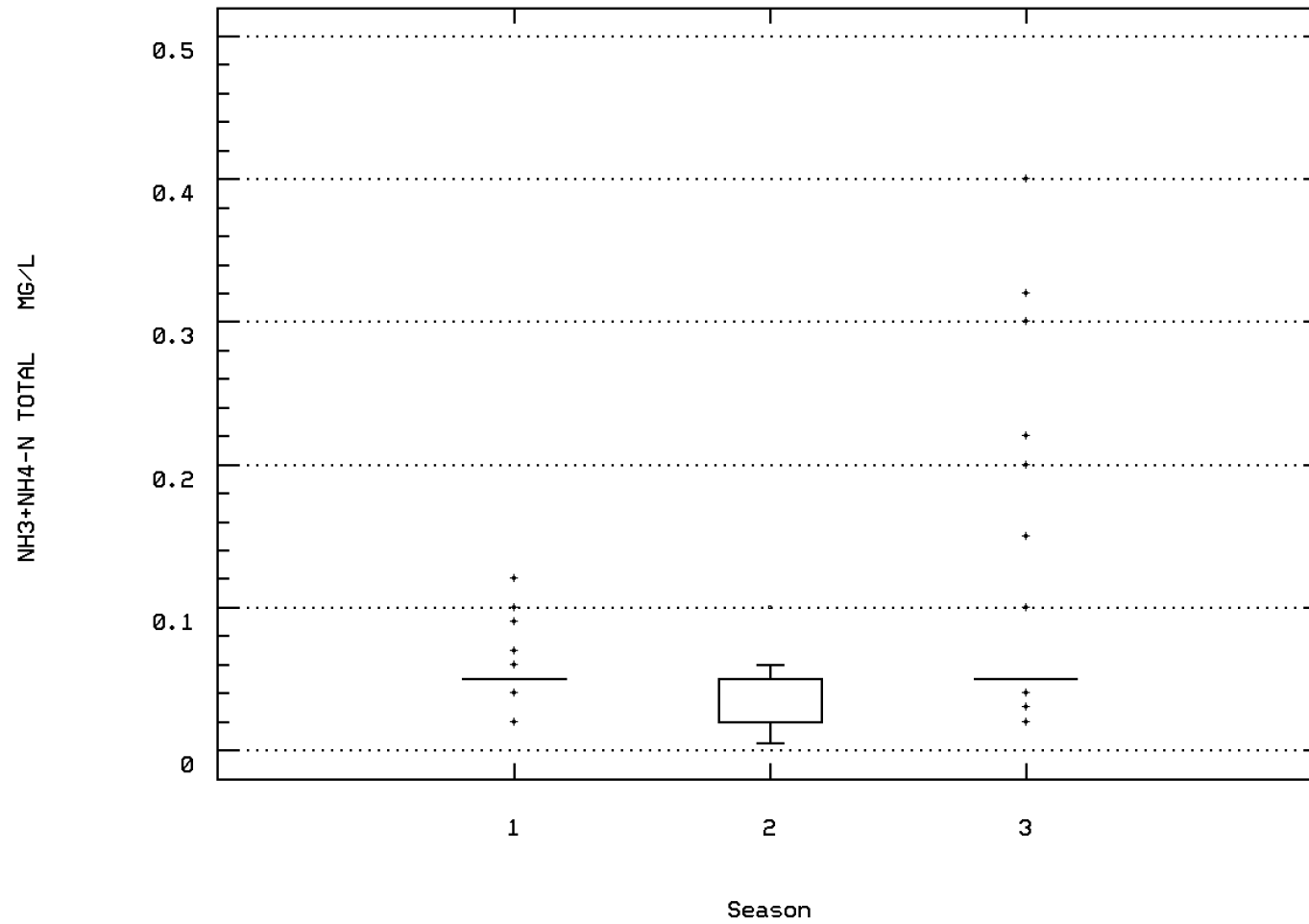
ALKALINITY, TOTAL (MG/L AS CaCO3)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00610

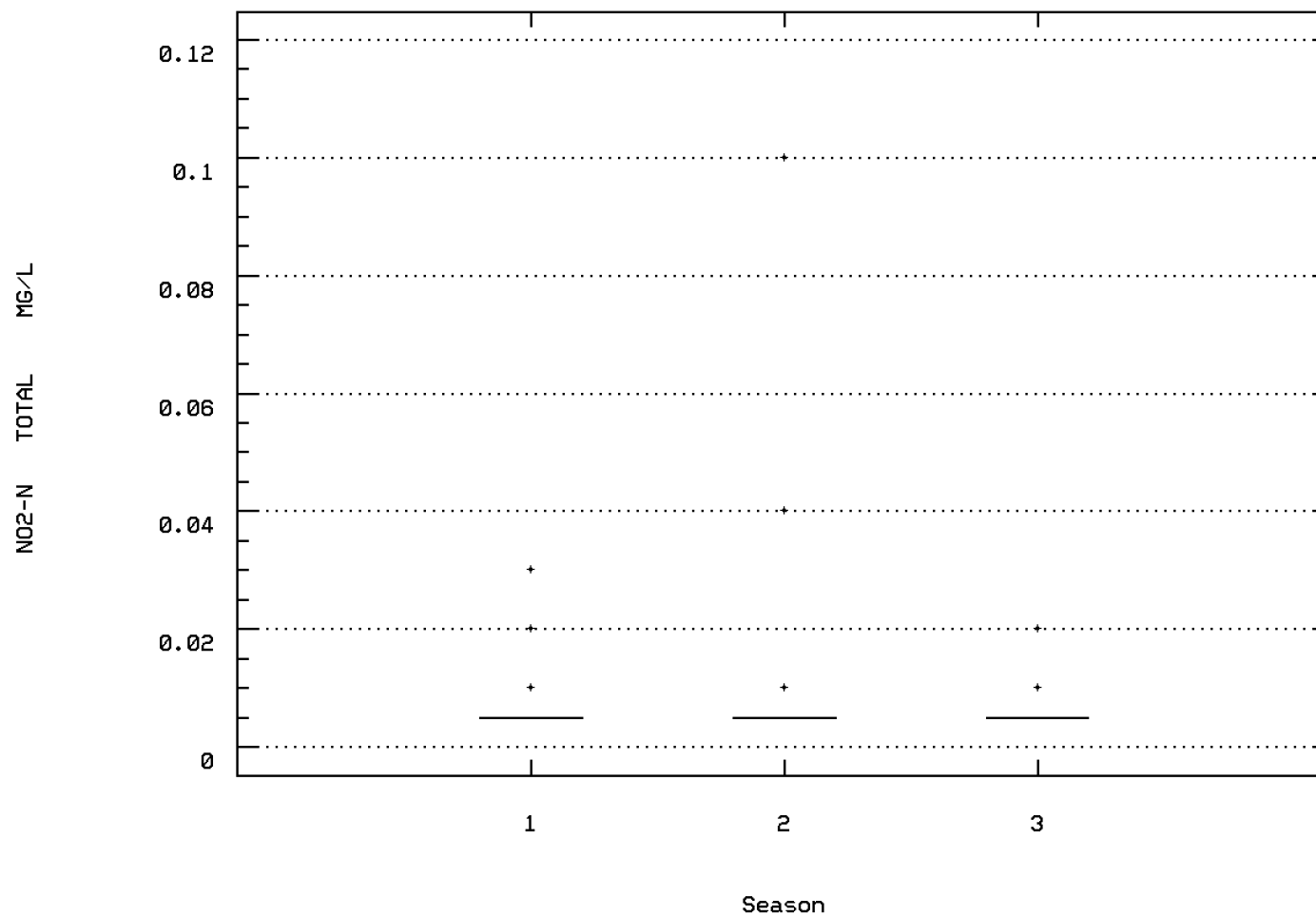
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00615

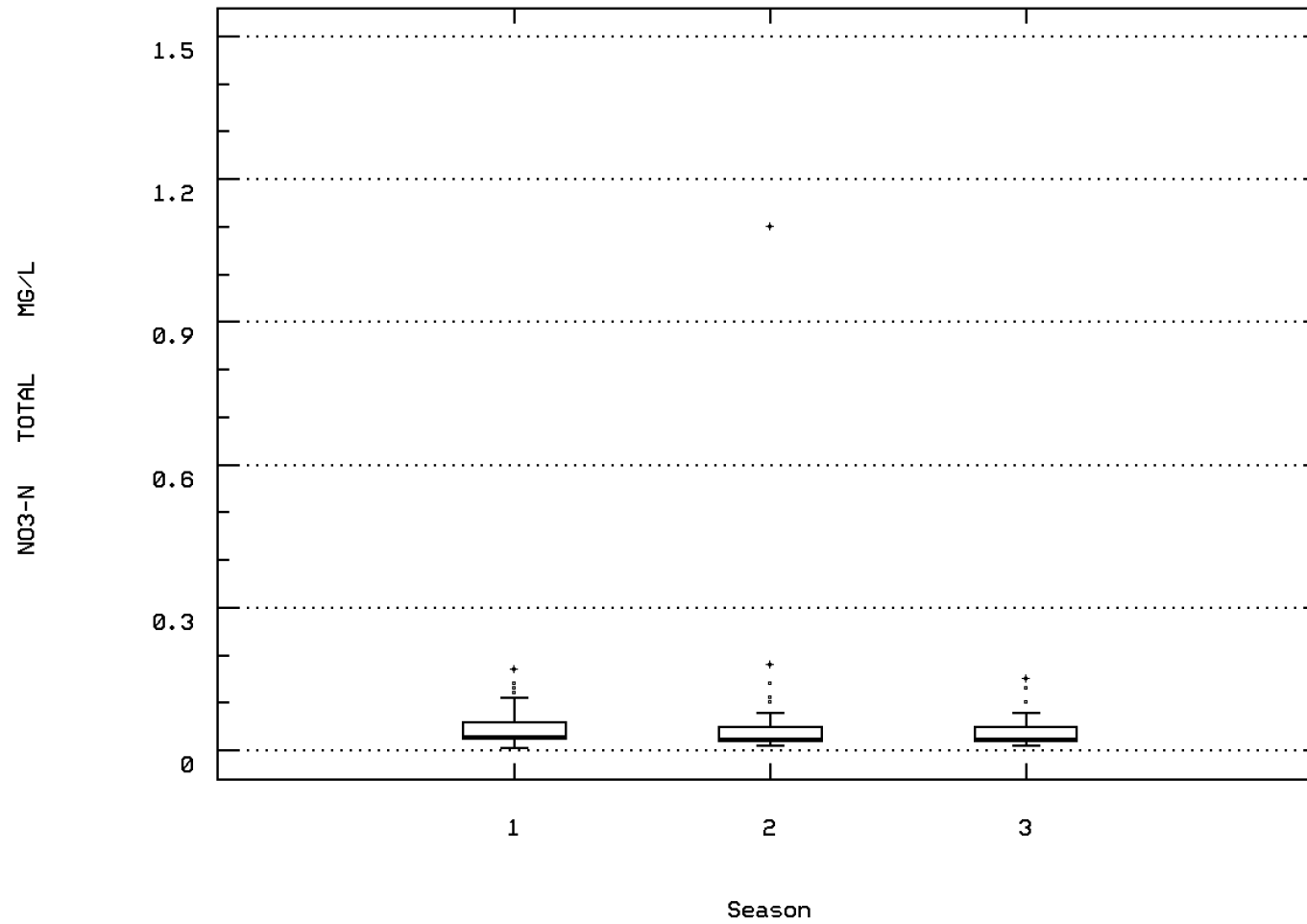
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00620

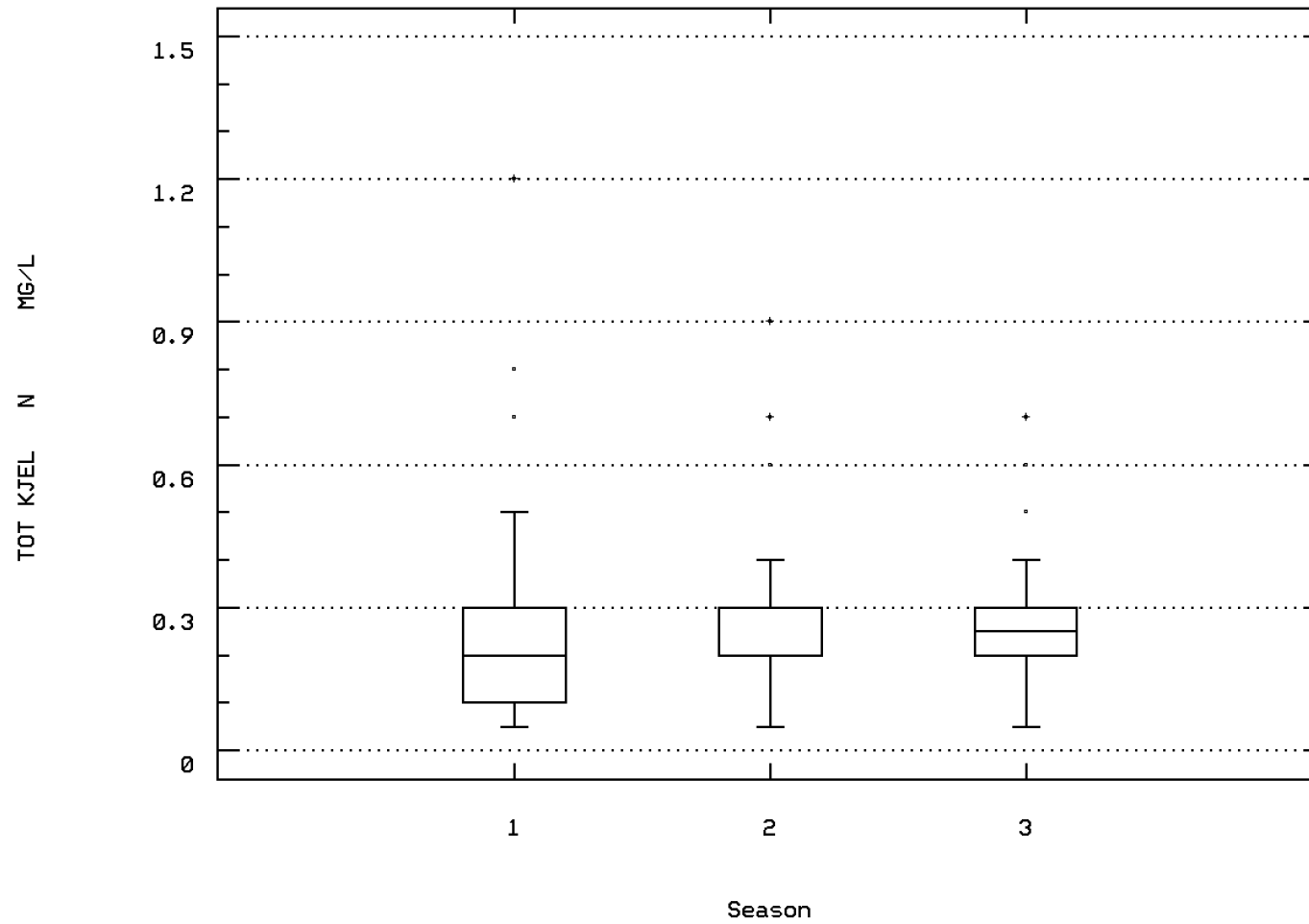
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 00625

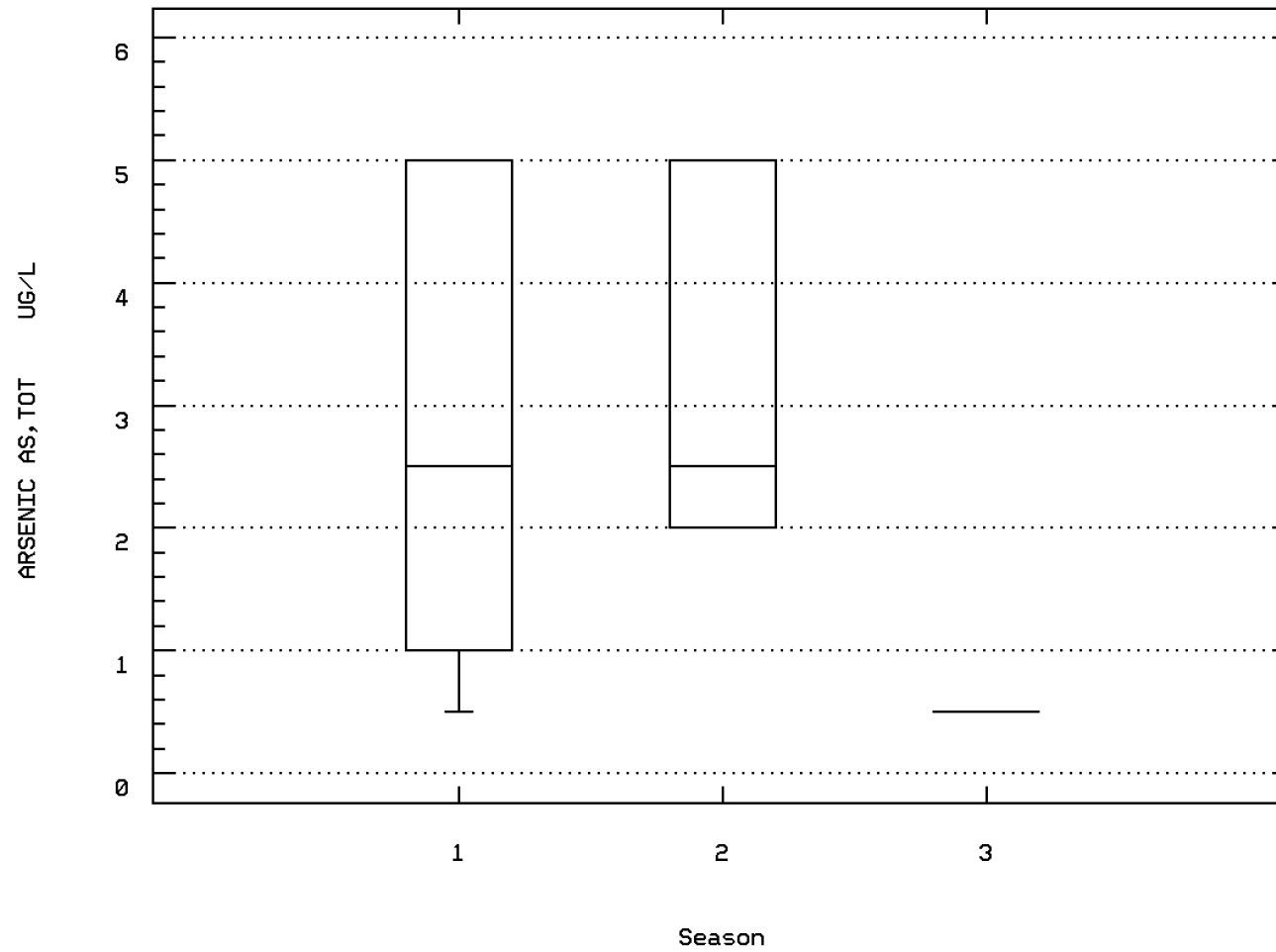
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 01002

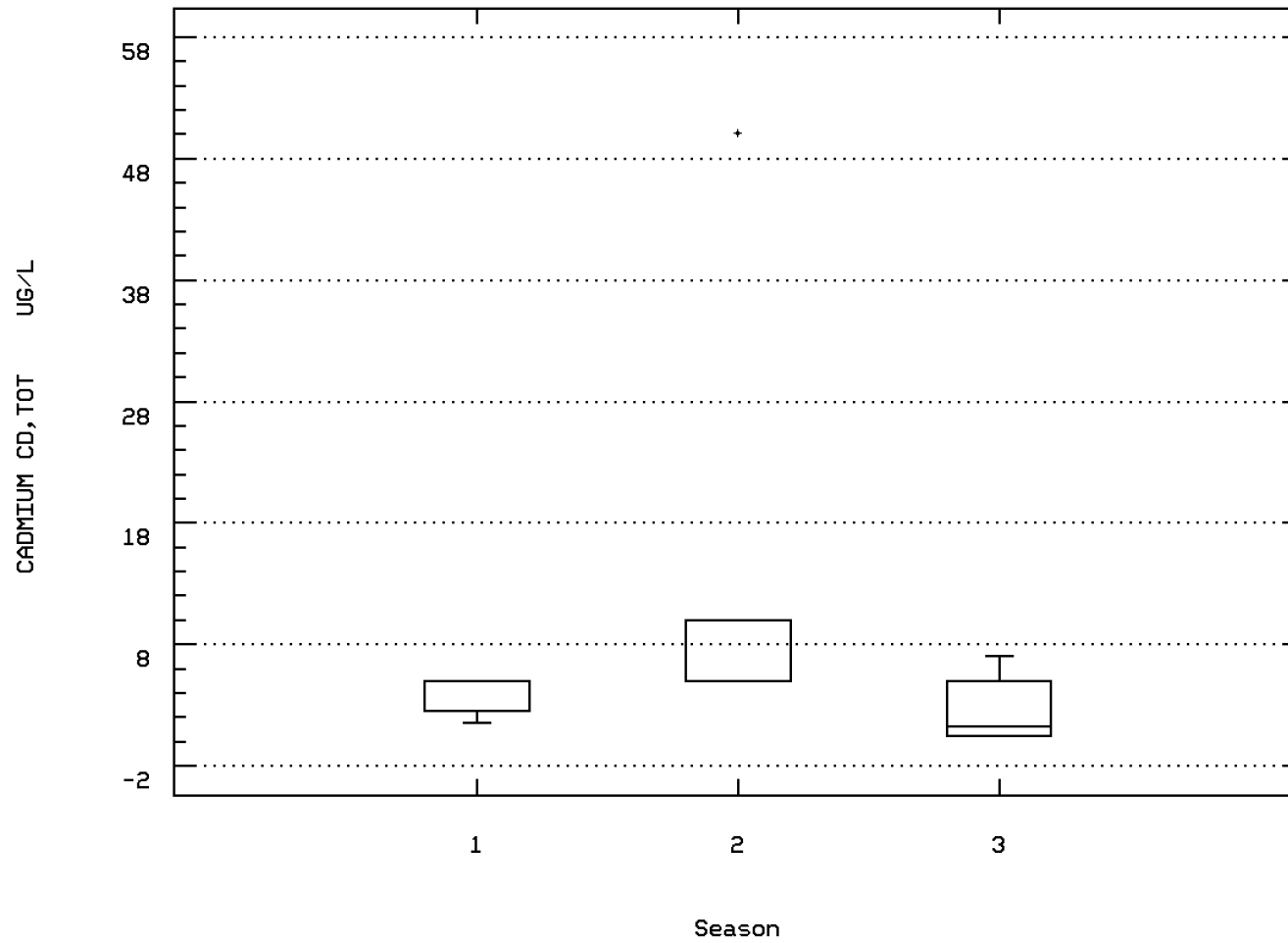
ARSENIC, TOTAL (UG/L AS AS)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 01027

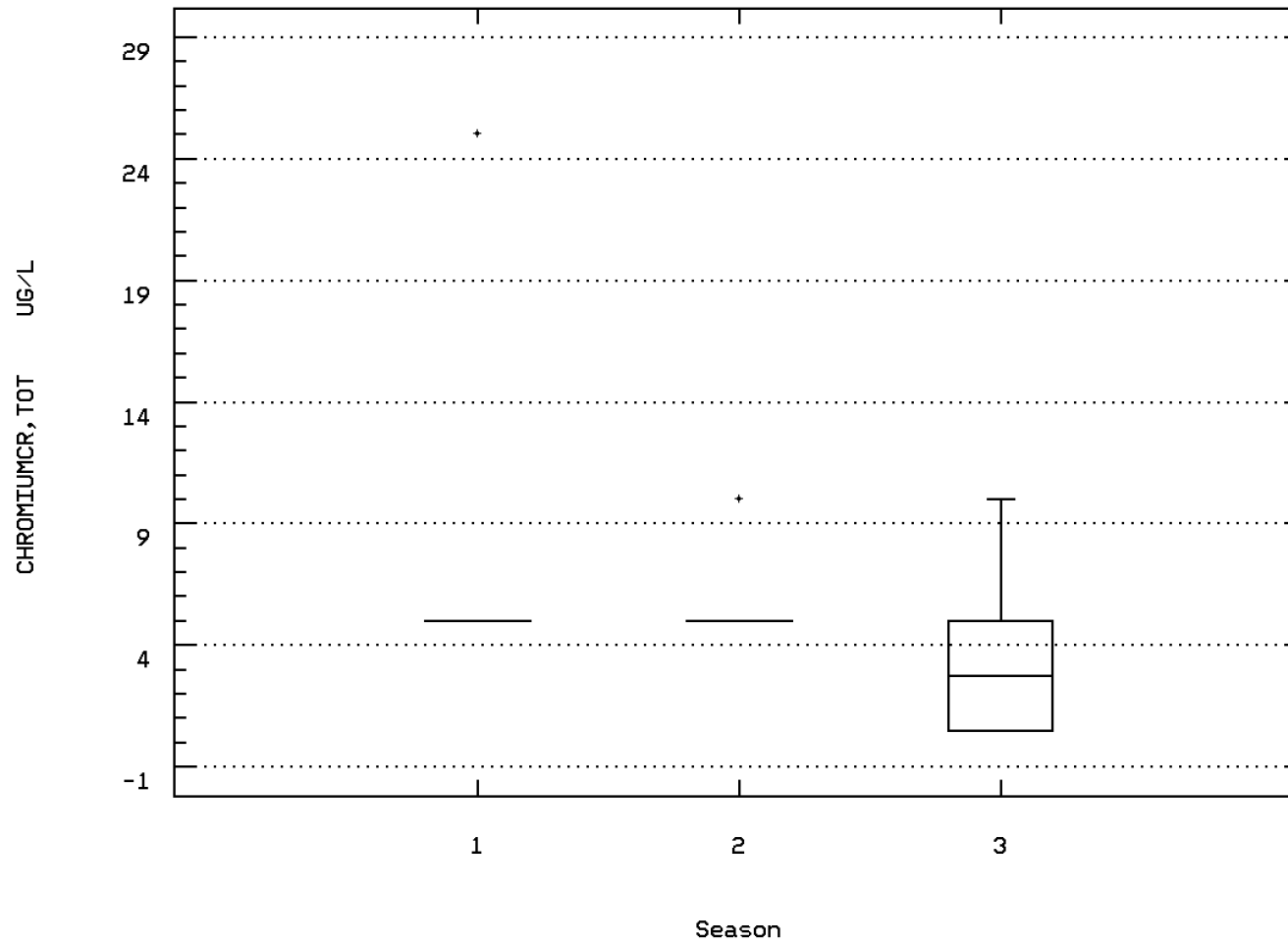
CADMIUM, TOTAL (UG/L AS CD)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 01034

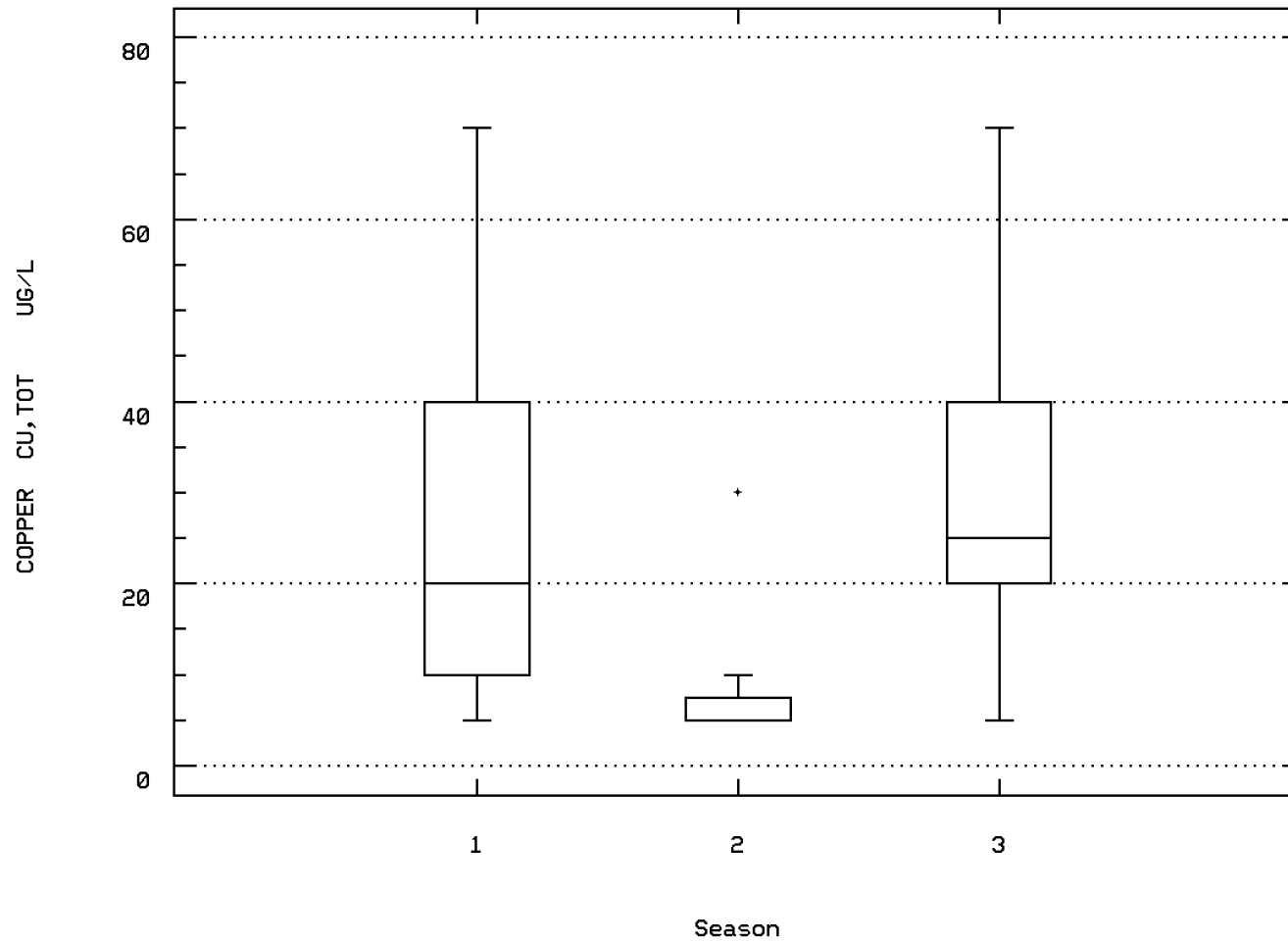
CHROMIUM, TOTAL (UG/L AS CR)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 01042

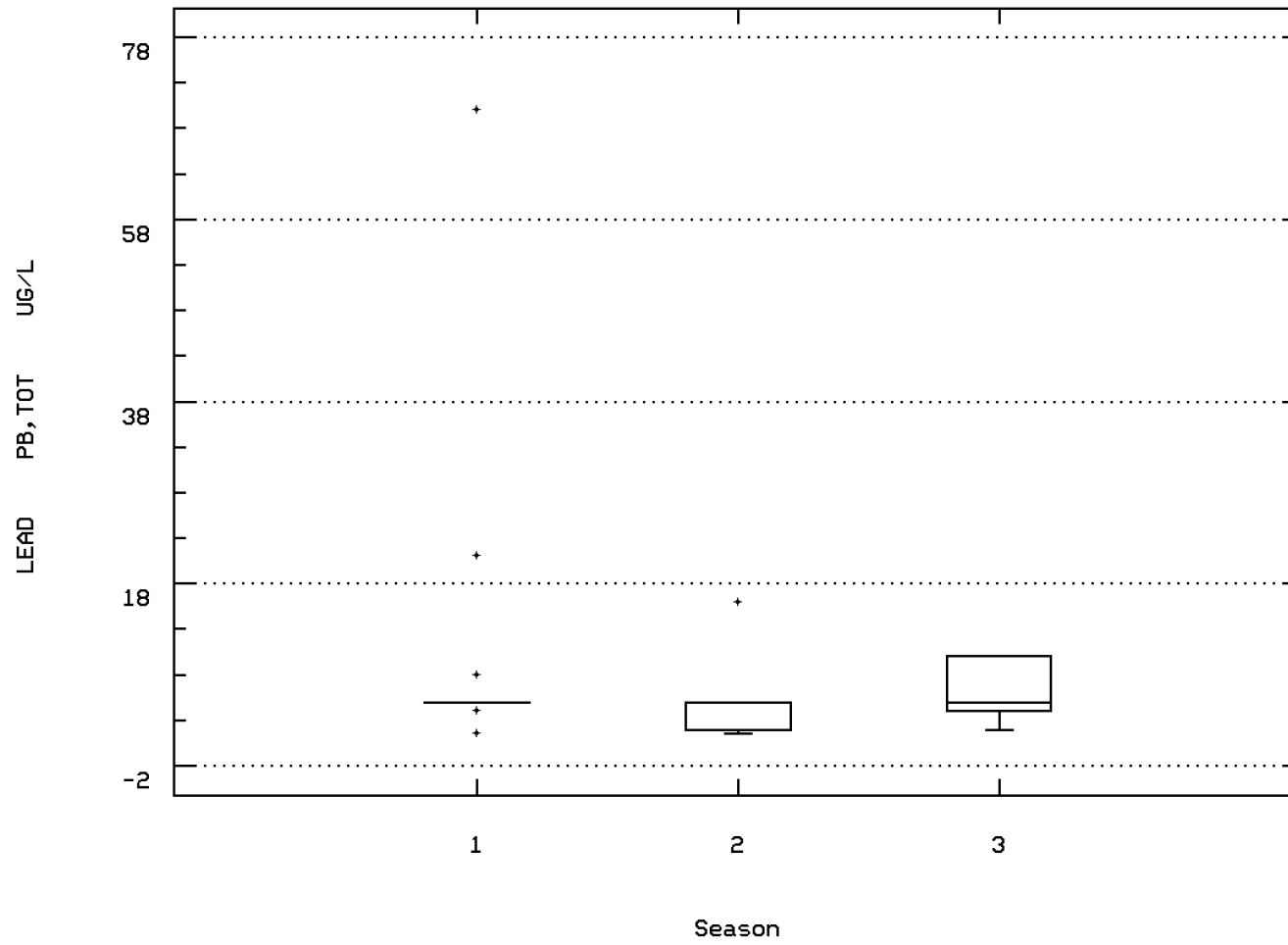
COPPER, TOTAL (UG/L AS CU)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 01051

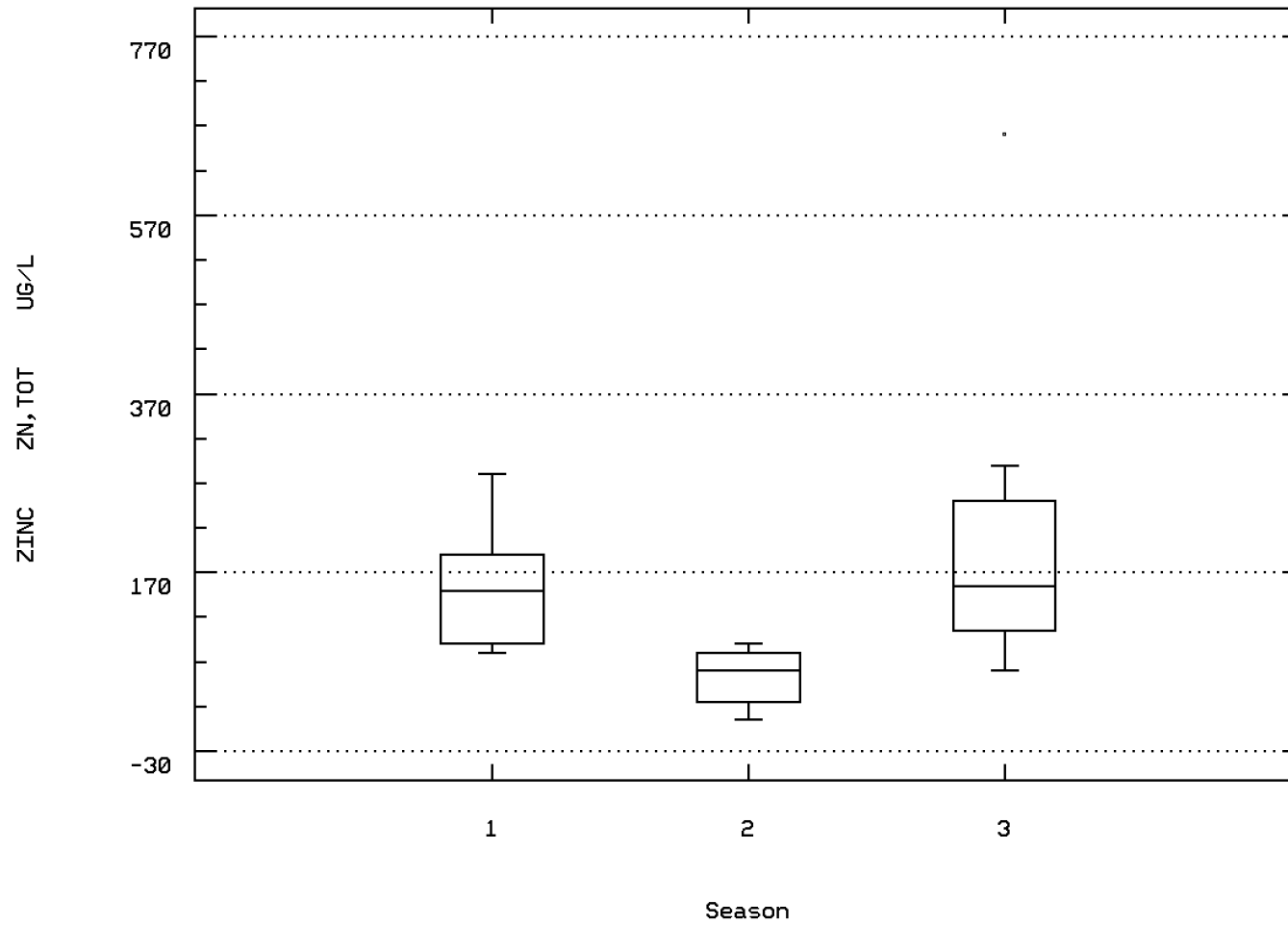
LEAD, TOTAL (UG/L AS PB)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 01092

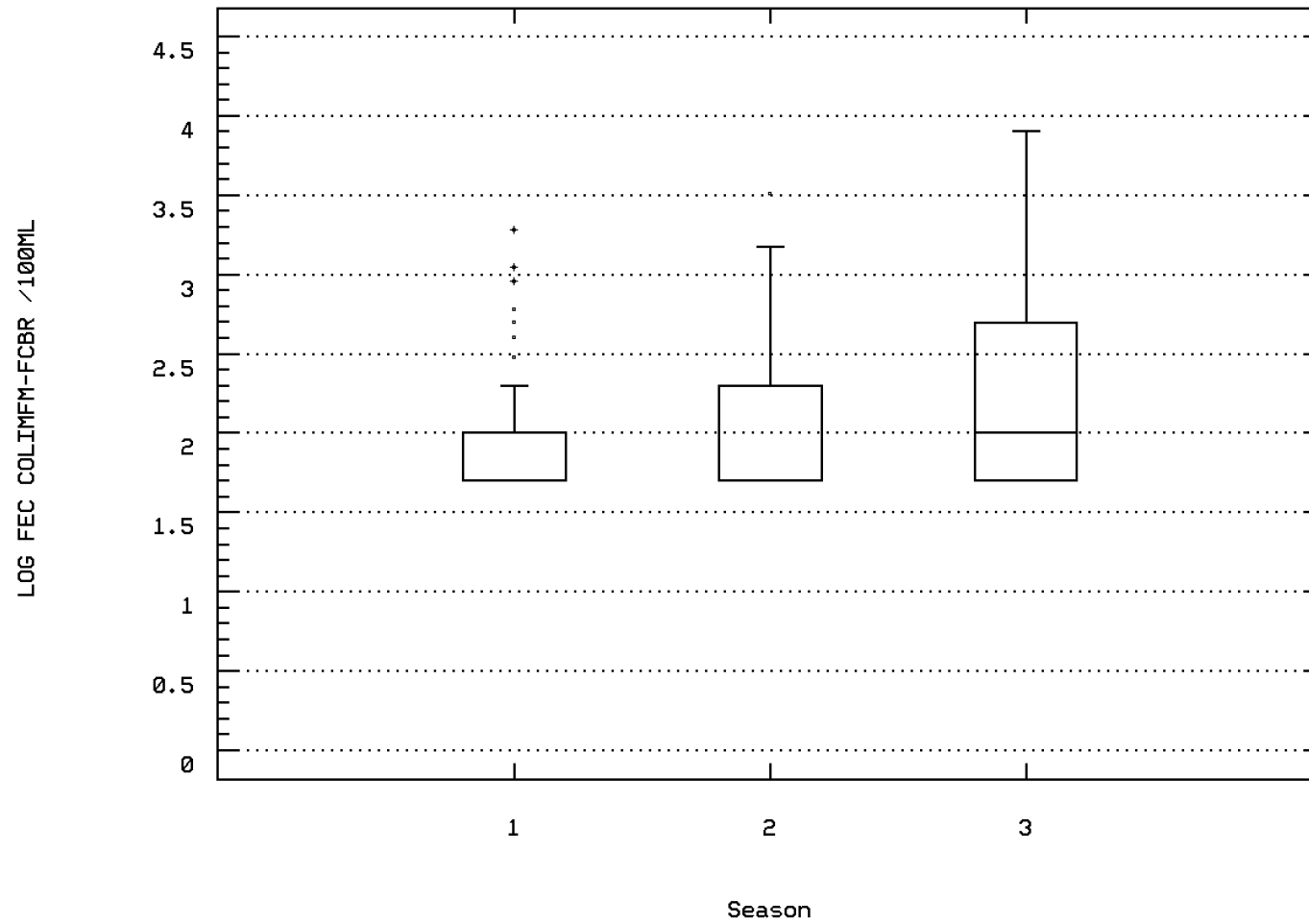
ZINC, TOTAL (UG/L AS ZN)



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 31616

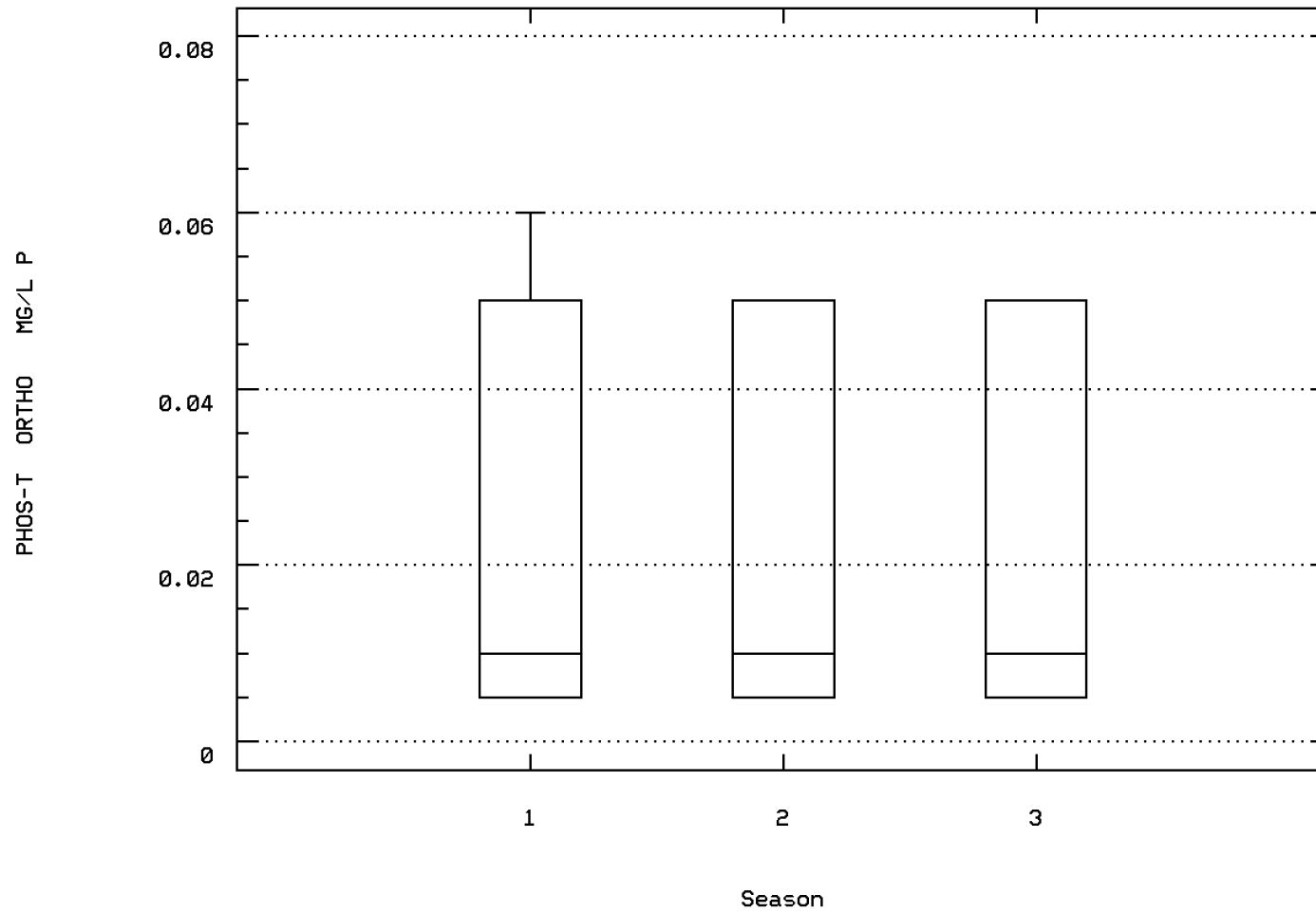
LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 70507

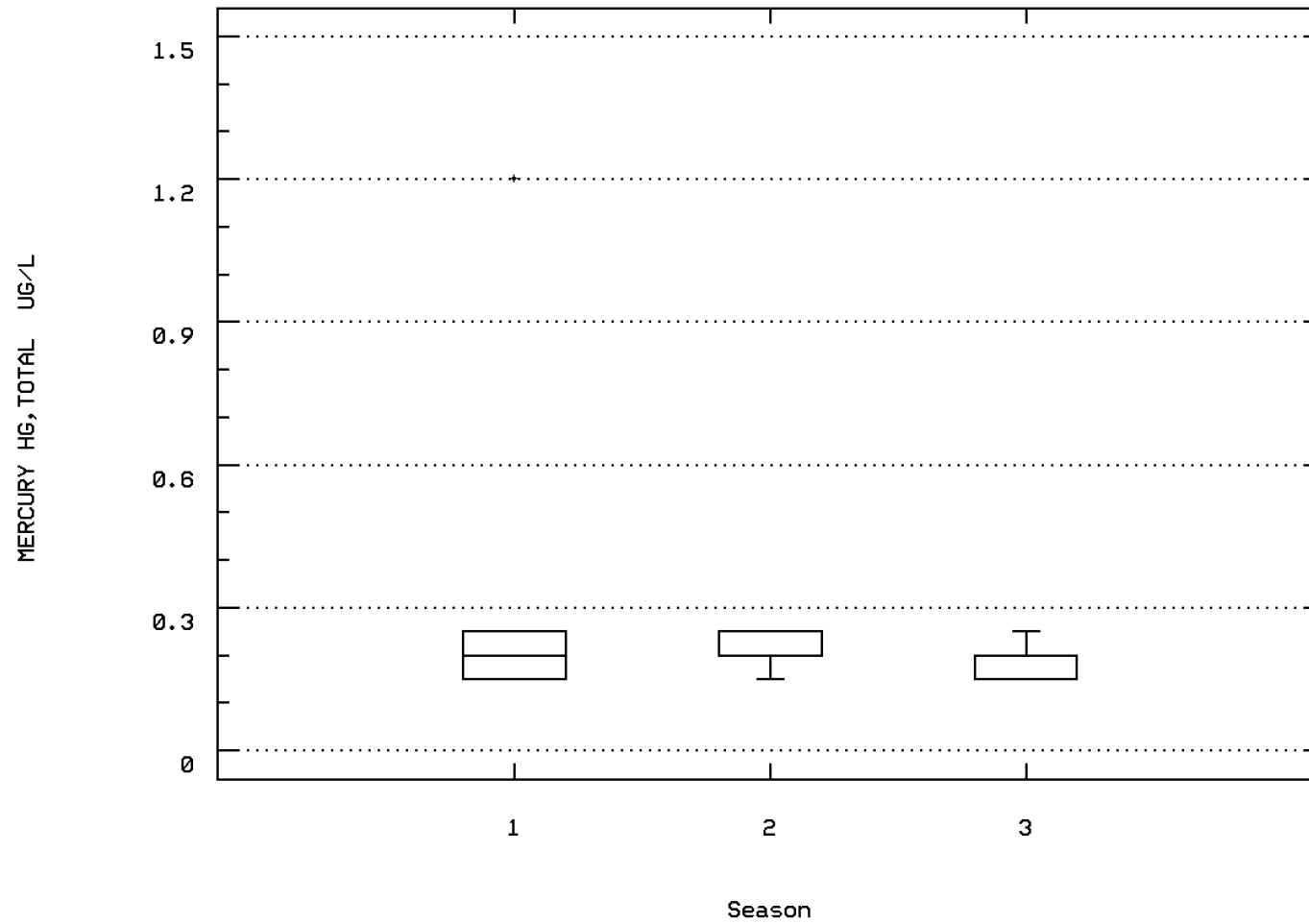
PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/



RT. 1 (BUSINESS) BRIDGE

Station: PRWI0010 Parameter Code: 71900

MERCURY, TOTAL (UG/L AS HG)



RT. 1 (BUSINESS) BRIDGE

Station Inventory for Station: PRWI0011

NPS Station ID: PRWI0011
 Location: N BRANCH CHOPAWAMSIK CR NR INDEPENDENT HILL, VA
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011
 Major Basin:
 Minor Basin:
 RF1 Index: 02070011
 RF3 Index: 02070011071705.56
 Description:

LAT/LON: 38.566115/ -77.430003

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 9.77

Agency: 112WRD
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 01659000
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.70
 Distance from RF3: 0.02

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: PRWI0011

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY CFS	08/01/51-08/01/51	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	08/01/51-08/01/51	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/51-08/01/51	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	08/01/51-08/01/51	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	08/01/51-08/01/51	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/51-08/01/51	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	08/01/51-08/01/51	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	08/01/51-08/01/51	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/01/51-08/01/51	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS Ca)	08/01/51-08/01/51	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/51-08/01/51	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS Na)	08/01/51-08/01/51	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/01/51-08/01/51	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	08/01/51-08/01/51	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	08/01/51-08/01/51	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SiO2)	08/01/51-08/01/51	1	17.	17.	17.	17.	0.	0.	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/01/51-08/01/51	1	49.	49.	49.	49.	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/01/51-08/01/51	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71885 IRON (UG/L AS FE)	08/01/51-08/01/51	1	670.	670.	670.	670.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0011

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00							1	0	0.00			
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: PRWI0012

NPS Station ID: PRWI0012

Location: S F QUANTICO CREEK AT ORENDA RD NR DUMFRIES, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011071800.00

Description:

LAT/LON: 38.566393/ -77.353338

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.01

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658630

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.90

Distance from RF3: 0.01

Date Created: 01/09/88

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0012

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/01/85-02/13/85	2	1.75	1.75	3.5	0.	6.125	2.475	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	02/01/85-02/13/85	2	53.	53.	61.	45.	128.	11.314	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/01/85-02/13/85	2	40.5	40.5	49.	32.	144.5	12.021	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0013

NPS Station ID: PRWI0013

Location: S F QUANTICO CR TRIB 6 AT MOUTH NR DUMFRIES, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011071700.00

Description:

LAT/LON: 38.566670/ -77.353059

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.76

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658635

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.40

Distance from RF3: 0.01

Date Created: 01/09/88

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/85-03/26/85	1	8.	8.	8.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/85-03/26/85	1	0.2	0.2	0.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/85-03/26/85	1	65.	65.	65.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/26/85-03/26/85	1	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0014

NPS Station ID: PRWI0014
 Location: S F QUANTICO CR TRIB NO 3 AT MOUTH NR JOPLIN, VA
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011
 Major Basin:
 Minor Basin:
 RF1 Index: 02070011
 RF3 Index: 02070011071701.23
 Description:

LAT/LON: 38.567226/ -77.364449

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 1.49

Agency: 112WRD
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 01658612
 Within Park Boundary: Yes

Date Created: 05/19/84

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.90
 Distance from RF3: 0.03

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: PRWI0014

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/15/83-03/26/85	4	7.5	7.125	10.5	3.	9.729	3.119	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	11/15/83-03/26/85	4	0.6	0.575	0.9	0.2	0.143	0.377	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/15/83-03/26/85	4	51.	49.5	53.	43.	20.333	4.509	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/26/85-03/26/85	1	15.	15.	15.	15.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0015

NPS Station ID: PRWI0015
 Location: S F QUANTICO CREEK AT PARK RD NEAR JOPLIN, VA
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011
 Major Basin:
 Minor Basin:
 RF1 Index: 02070011
 RF3 Index: 02070011071701.23
 Description:

LAT/LON: 38.567503/ -77.365003

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 1.54

Agency: 112WRD
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 01658610
 Within Park Boundary: Yes

Date Created: 05/19/84

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.80
 Distance from RF3: 0.02

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: PRWI0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-06/25/85	34	10.	11.515	23.	0.	55.326	7.438	0.5	5.375	18.625	21.5
00061 FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-06/25/85	37	12.	19.203	131.	0.2	612.072	24.74	1.	3.5	27.5	52.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-06/25/85	31	46.	46.419	62.	38.	30.652	5.536	39.4	42.	48.	54.8
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-03/26/85	26	6.	32.115	444.	1.	7618.826	87.286	2.	3.	22.25	80.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0016

NPS Station ID: PRWI0016

Location: S F QUANTICO CR TRIB NO 4 AT MOUTH NR JOPLIN, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011071702.68

Description:

LAT/LON: 38.567503/ -77.365559

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 3.37

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658608

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.70

Distance from RF3: 0.01

Date Created: 05/19/84

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0016

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/15/83-03/26/85	6	6.	6.333	10.	3.	6.267	2.503	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/15/83-03/26/85	6	0.45	0.45	0.9	0.1	0.083	0.288	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/15/83-03/26/85	6	69.5	69.833	77.	65.	15.767	3.971	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/01/85-03/26/85	4	21.5	45.75	134.	6.	3534.917	59.455	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0017

NPS Station ID: PRWI0017

Location: MARY BIRD BRANCH AT MOUTH NEAR DUMFRIES, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011071703.03

Description:

LAT/LON: 38.567782/ -77.360838

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 6.42

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658618

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.40

Distance from RF3: 0.01

Date Created: 01/09/88

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0017

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/01/85-03/26/85	3	4.	5.5	11.5	1.	29.25	5.408	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/01/85-03/26/85	3	3.	2.667	4.	1.	2.333	1.528	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/01/85-03/26/85	3	40.	40.333	44.	37.	12.333	3.512	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/01/85-03/26/85	3	5.	23.	61.	3.	1084.	32.924	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0018

NPS Station ID: PRWI0018
 Location: S F QUANTICO CREEK NEAR DUMFRIES, VA
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011
 Major Basin:
 Minor Basin:
 RF1 Index: 02070011
 RF3 Index: 02070011008501.28
 Description:

LAT/LON: 38.571670/ -77.349170

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 1.28

Agency: 112WRD
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 01658650
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 1.60
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: PRWI0018

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/73-06/26/85	38	11.5	12.474	25.	0.	46.918	6.85	3.7	7.75	19.25	21.65
00061 FLOW, STREAM, INSTANTANEOUS CFS	02/15/83-06/26/85	36	10.5	39.158	550.	0.2	8904.28	94.362	1.	3.	32.25	90.
00065 STAGE, STREAM (FEET)	09/23/83-09/23/83	1	1.23	1.23	1.23	1.23	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	03/28/73-10/25/73	2	35.	35.	40.	30.	50.	7.071	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/73-06/26/85	36	48.5	49.25	70.	37.	75.221	8.673	38.	42.	55.	63.
00400 PH (STANDARD UNITS)	03/28/73-09/23/83	3	6.8	6.833	7.	6.7	0.023	0.153	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	03/28/73-09/23/83	3	6.8	6.816	7.	6.7	0.024	0.154	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/28/73-09/23/83	3	0.158	0.153	0.2	0.1	0.003	0.05	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	09/23/83-09/23/83	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	09/23/83-09/23/83	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/23/83-09/23/83	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00405 CARBON DIOXIDE (MG/L AS CO2)	03/28/73-10/25/73	2	4.25	4.25	5.3	3.2	2.205	1.485	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	03/28/73-10/25/73	2	12.5	12.5	17.	8.	40.5	6.364	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	03/28/73-10/25/73	2	15.5	15.5	21.	10.	60.5	7.778	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	03/28/73-10/25/73	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/28/73-10/25/73	2	0.03	0.03	0.04	0.02	0.	0.014	**	**	**	**
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/23/83-09/23/83	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	03/28/73-10/25/73	2	14.	14.	16.	12.	8.	2.828	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	03/28/73-10/25/73	2	2.	2.	4.	0.	8.	2.828	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS Ca)	03/28/73-09/23/83	3	3.4	3.333	4.	2.6	0.493	0.702	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	03/28/73-09/23/83	3	1.7	1.733	2.	1.5	0.063	0.252	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS Na)	03/28/73-09/23/83	3	3.3	3.533	4.3	3.	0.463	0.681	**	**	**	**
00931 SODIUM ADSORPTION RATIO	03/28/73-10/25/73	2	0.45	0.45	0.5	0.4	0.005	0.071	**	**	**	**
00932 SODIUM, PERCENT	03/28/73-10/25/73	2	32.5	32.5	34.	31.	4.5	2.121	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	03/28/73-09/23/83	3	1.6	1.6	2.	1.2	0.16	0.4	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	03/28/73-09/23/83	3	4.	3.667	4.	3.	0.333	0.577	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	03/28/73-09/23/83	3	6.	6.667	9.	5.	4.333	2.082	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	03/28/73-10/25/73	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SiO2)	03/28/73-09/23/83	3	11.	12.	14.	11.	3.	1.732	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	09/23/83-09/23/83	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	09/23/83-09/23/83	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01044 IRON, SUSPENDED (UG/L AS FE)	09/23/83-09/23/83	1	180.	180.	180.	180.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	09/23/83-09/23/83	1	480.	480.	480.	480.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	03/28/73-09/23/83	3	110.	170.	300.	100.	12700.	112.694	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	09/23/83-09/23/83	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01054 MANGANESE, SUSPENDED (UG/L AS MN)	09/23/83-09/23/83	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	09/23/83-09/23/83	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	09/23/83-09/23/83	1	9.	9.	9.	9.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: PRWI0018

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092 ZINC, TOTAL (UG/L AS ZN)	09/23/83-09/23/83	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	09/23/83-09/23/83	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/73-10/25/73	2	45.	45.	48.	42.	18.	4.243	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/28/73-10/25/73	2	41.	41.	45.	37.	32.	5.657	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/28/73-10/25/73	2	0.065	0.065	0.07	0.06	0.	0.007	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/28/73-10/25/73	2 ##	0.004	0.004	0.005	0.003	0.	0.001	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/28/73-10/25/73	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/29/83-06/26/85	24	7.5	31.958	428.	1.	7915.694	88.97	2.	3.5	12.5	87.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0018

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
00400 PH	Other-Hi Lim.	9.	3	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
	Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
00403 PH, LAB	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
	Drinking Water	10.	1	0	0.00							1	0	0.00			
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
	Fresh Acute	18.	1	0	0.00							1	0	0.00			
01042 COPPER, TOTAL	Drinking Water	1300.	1	0	0.00							1	0	0.00			
	Fresh Acute	82.	1	0	0.00							1	0	0.00			
	Drinking Water	5.	0 &	0	0.00							1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 10/01 to 3/15 - Station PRWI0018

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/73-06/26/85	18	8.	8.139	20.	0.	27.935	5.285	0.9	4.	11.5	15.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/73-06/26/85	18	45.5	48.889	65.	38.	94.105	9.701	38.	41.5	60.	63.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 3/16 to 6/30 - Station PRWI0018

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/73-06/26/85	13	15.5	14.577	21.5	6.	28.035	5.295	7.	10.	20.	21.3
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/73-06/26/85	11	48.	47.455	55.	40.	21.273	4.612	40.2	43.	50.	54.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 7/01 to 9/30 - Station PRWI0018

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/73-06/26/85	7	21.	19.714	25.	12.	26.988	5.195	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/73-06/26/85	7	55.	53.	70.	37.	114.	10.677	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: PRWI0019

NPS Station ID: PRWI0019

Location: S F QUANTICO CREEK TRIB NO 7 NEAR DUMFRIES, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011071700.00

Description:

LAT/LON: 38.572504/ -77.348615

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.68

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658651

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.60

Distance from RF3: 0.06

Date Created: 05/19/84

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0019

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/29/83-03/29/83	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	03/29/83-03/29/83	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/83-03/29/83	1	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0020

NPS Station ID: PRWI0020
 Location: QUANTICO CREEK NEAR DUMFRIES, VA
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011
 Major Basin:
 Minor Basin:
 RF1 Index: 02070011
 RF3 Index: 02070011008501.28
 Description:

LAT/LON: 38.572781/ -77.347504

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 2.56

Agency: 112WRD
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 01658480
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 9.70
 Distance from RF3: 0.01

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: PRWI0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/73-06/26/85	36	11.25	12.903	24.5	0.	46.155	6.794	4.	8.	19.5	22.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/17/83-06/26/85	33	4.	14.528	214.	0.002	1457.354	38.175	0.42	1.	11.5	26.6
00065	STAGE, STREAM (FEET)	09/23/83-09/23/83	1	1.17	1.17	1.17	1.17	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	03/28/73-10/24/74	3	35.	35.	40.	30.	25.	5.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/73-06/26/85	32	79.5	125.	825.	7.	23248.968	152.476	56.5	70.	104.75	222.
00335	COD, .025N K2CR2O7 MG/L	11/08/74-11/08/74	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/28/73-09/23/83	5	6.5	6.52	6.9	6.2	0.082	0.286	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/28/73-09/23/83	5	6.5	6.45	6.9	6.2	0.088	0.297	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/28/73-09/23/83	5	0.316	0.355	0.631	0.126	0.044	0.21	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/23/83-09/23/83	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/23/83-09/23/83	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/23/83-09/23/83	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	03/28/73-10/24/74	3	5.1	5.5	8.	3.4	5.41	2.326	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	03/28/73-10/24/74	3	13.	11.667	14.	8.	10.333	3.215	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/28/73-10/24/74	3	16.	14.333	17.	10.	14.333	3.786	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/28/73-10/25/73	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/24/74-10/24/74	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/28/73-10/24/74	3	0.05	0.053	0.07	0.04	0.	0.015	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/24/74-09/23/83	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/24/74-10/24/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/24/74-10/24/74	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/08/74-11/08/74	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	03/28/73-10/24/74	3	30.	27.667	33.	20.	46.333	6.807	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	03/28/73-10/24/74	3	16.	15.667	19.	12.	12.333	3.512	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	03/28/73-09/23/83	4	6.95	8.525	16.	4.2	26.529	5.151	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/28/73-09/23/83	4	3.3	3.85	6.6	2.2	3.69	1.921	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/28/73-09/23/83	4	4.7	4.475	5.3	3.2	0.802	0.896	**	**	**	**
00931	SODIUM ADSORPTION RATIO	03/28/73-10/24/74	3	0.4	0.367	0.4	0.3	0.003	0.058	**	**	**	**
00932	SODIUM, PERCENT	03/28/73-10/24/74	3	25.	24.667	27.	22.	6.333	2.517	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/28/73-09/23/83	4	2.	2.1	3.3	1.1	0.827	0.909	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	03/28/73-09/23/83	4	4.	4.	5.	3.	0.667	0.816	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/28/73-09/23/83	4	25.	34.25	69.	18.	548.25	23.415	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/28/73-10/24/74	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SiO2)	03/28/73-09/23/83	4	13.	12.1	14.	8.4	6.307	2.511	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/23/83-09/23/83	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/23/83-09/23/83	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	09/23/83-09/23/83	1	500.	500.	500.	500.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/23/83-09/23/83	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: PRWI0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01046	IRON, DISSOLVED (UG/L AS FE)	03/28/73-09/23/83	4	405.	507.5	1200.	20.	253425.	503.413	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/23/83-09/23/83	1 ##	50.	50.	50.	50.	0.	0.	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	09/23/83-09/23/83	1	0.	0.	0.	0.	0.	0.	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/23/83-09/23/83	1	430.	430.	430.	430.	0.	0.	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/23/83-09/23/83	1	450.	450.	450.	450.	0.	0.	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/23/83-09/23/83	1	1300.	1300.	1300.	1300.	0.	0.	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/23/83-09/23/83	1	40.	40.	40.	40.	0.	0.	**	**	**
32230	CHLOROPHYLL A (MG/L)	11/08/74-11/08/74	1	0.	0.	0.	0.	0.	0.	**	**	**
32231	CHLOROPHYLL B (MG/L)	11/08/74-11/08/74	1	0.	0.	0.	0.	0.	0.	**	**	**
60050	ALGAE, TOTAL (CELLS/ML)	11/08/74-11/08/74	1	13.	13.	13.	13.	0.	0.	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	03/28/73-10/24/74	3	57.	61.667	74.	54.	116.333	10.786	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/28/73-10/24/74	3	68.	63.	70.	51.	109.	10.44	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/28/73-10/24/74	3	0.08	0.083	0.1	0.07	0.	0.015	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/28/73-10/25/73	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/28/73-10/24/74	3	0.2	0.233	0.3	0.2	0.003	0.058	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/24/74-10/24/74	1	0.	0.	0.	0.	0.	0.	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-06/26/85	20	6.	40.3	240.	3.	5111.063	71.492	3.	4.25	26.75
											208.4	

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0020

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00		
		Other-Lo Lim.	6.5	5	3	0.60	3	1	0.33	1	1	1.00	1	1	1.00		
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00		
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00		
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00								
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00					
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00		
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00		
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00		
		Drinking Water	50.	1	0	0.00							1	0	0.00		
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00							1	1	1.00		
		Drinking Water	1300.	1	0	0.00							1	0	0.00		
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00		
		Drinking Water	5.	0 &	0	0.00											
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00							1	1	1.00		
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	3	0	0.00	2	0	0.00	1	0	0.00					
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00	1	0	0.00								

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 10/01 to 3/15 - Station PRWI0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/73-06/26/85	15	9.5	8.633	20.5	0.	28.945	5.38	0.6	4.	10.5	17.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/73-06/26/85	13	75.	79.615	153.	7.	1118.756	33.448	26.2	64.	96.5	133.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 3/16 to 6/30 - Station PRWI0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/73-06/26/85	14	14.5	14.214	22.	6.	34.451	5.869	6.5	8.625	20.125	21.75
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/73-06/26/85	12	75.	78.083	105.	63.	130.265	11.413	63.6	72.25	84.5	100.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 7/01 to 9/30 - Station PRWI0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/73-06/26/85	7	21.	19.429	24.5	11.5	27.786	5.271	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/73-06/26/85	7	180.	289.714	825.	50.	77125.571	277.715	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: PRWI0021

NPS Station ID: PRWI0021

Location: QUANTICO CREEK SOUTH FORK AT LOOP ROAD

Station Type: /TYPA/AMBNT/STREAM/BIO

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin: NORTH ATLANTIC

Minor Basin: POTOMAC RIVER

RF1 Index: 02070011

RF3 Index: 02070011072100.00

Description:

BIOLOGICAL SAMPLING TO DETERMINE IMPACT OF WATERSHED URBANIZATION

STUDY SITE OF DEPARTMENT OF BIOLOGY AT GEORGE MASON UNIVERSITY

LAT/LON: 38.574059/ -77.404893

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

ON STREAM INSECT COMMUNITIES

Agency: 31GMU

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): QUANTICO-03

Within Park Boundary: Yes

Aquifer:

Water Body Id: SOUTH FORK OF QUANTICO CR

ECO Region: 65G

Distance from RF1: 0.60

Distance from RF3: 0.10

Date Created: 07/25/87

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0021

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
***** No Parameter Data Available for this Station *****												

Station Inventory for Station: PRWI0022

NPS Station ID: PRWI0022
 Location: PRINCE WILLIAM FOREST PARK PYRITE MINE
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011
 Major Basin:
 Minor Basin:
 RF1 Index: 02070011
 RF3 Index: 02070011008302.04
 Description:

LAT/LON: 38.575282/ -77.350281

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 2.03

Agency: 112WRD
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 383431077210101
 Within Park Boundary: Yes

Date Created: 01/21/84

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.60
 Distance from RF3: 0.11

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: PRWI0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/83-05/25/83	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/83-05/25/83	1	1150.	1150.	1150.	1150.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	05/25/83-05/25/83	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/25/83-05/25/83	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/83-05/25/83	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	05/25/83-05/25/83	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	05/25/83-05/25/83	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/83-05/25/83	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/25/83-05/25/83	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	05/25/83-05/25/83	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/83-05/25/83	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/25/83-05/25/83	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	05/25/83-05/25/83	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	05/25/83-05/25/83	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/25/83-05/25/83	1	590.	590.	590.	590.	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	05/25/83-05/25/83	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/25/83-05/25/83	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	05/25/83-05/25/83	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/25/83-05/25/83	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/25/83-05/25/83	1	280.	280.	280.	280.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0022

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----	-----3/16-6/30-----	-----7/01-9/30-----	-----n/a-----
00400 PH	Other-Hi Lim.	9.	1	0	0.00	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.	Obs Exceed Prop.
	Other-Lo Lim.	6.5	1	1	1.00				
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00				
	Other-Lo Lim.	6.5	1	0	0.00				
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00				
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	1	1.00				
01042 COPPER, TOTAL	Fresh Acute	18.	1	1	1.00				
	Drinking Water	1300.	1	0	0.00				

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: PRWI0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	0	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00				1	1	1.00						

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: PRWI0023

NPS Station ID: PRWI0023

Location: S F QUANTICO CR TRIB NO 2 AT MOUTH NR JOPLIN, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011072300.00

Description:

LAT/LON: 38.575282/ -77.375281

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.69

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658605

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 12.00

Distance from RF3: 0.37

Date Created: 10/28/86

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/02/85-03/27/85	4	5.	5.	6.	4.	0.833	0.913	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	02/02/85-03/27/85	4	2.5	3.5	8.	1.	9.667	3.109	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/02/85-03/27/85	4	40.5	40.75	44.	38.	6.25	2.5	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/02/85-02/13/85	3	14.	21.667	50.	1.	644.333	25.384	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0024

NPS Station ID: PRWI0024
 Location: S F QUANTICO CREEK BELOW TRIB 1 NEAR JOPLIN, VA
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011
 Major Basin:
 Minor Basin:
 RF1 Index: 02070011
 RF3 Index: 02070011071702.68
 Description:

LAT/LON: 38.576115/ -77.379726

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 3.46

Agency: 112WRD
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 01658603
 Within Park Boundary: Yes

Date Created: 05/19/84

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.50
 Distance from RF3: 0.02

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: PRWI0024

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-06/25/85	34	10.	11.956	24.	0.	55.233	7.432	1.5	5.5	19.	22.5
00061 FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-06/25/85	36	10.5	37.708	431.	0.1	7160.746	84.621	1.	3.	19.75	149.1
00085 ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	02/23/84-02/23/84	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-06/25/85	30	43.5	43.067	52.	35.	17.926	4.234	38.	40.	46.	49.8
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-03/27/85	23	7.	33.696	393.	1.	6908.403	83.117	2.	4.	18.	102.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0025

NPS Station ID: PRWI0025 LAT/LON: 38.576392/ -77.351392
 Location: QUANTICO CREEK AB PYRITE MINE NR DUMFRIES, VA
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011 Depth of Water: 0
 Major Basin: Elevation: 0
 Minor Basin:
 RF1 Index: 02070011 RF1 Mile Point: 0.000
 RF3 Index: 02070011071705.56 RF3 Mile Point: 9.77
 Description:

Agency: 112WRD
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 01658475
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.02

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: PRWI0025

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/08/74-10/18/83	8	14.25	14.438	24.	7.	37.174	6.097	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/17/83-10/18/83	6	3.	3.95	11.	0.2	17.935	4.235	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/08/74-10/18/83	8	50.5	58.5	87.	45.	305.714	17.485	**	**	**
00335	COD, .025N K2CR2O7 MG/L	11/08/74-11/08/74	1	13.	13.	13.	13.	0.	0.	**	**	**
00400	PH (STANDARD UNITS)	11/08/74-09/23/83	2	7.5	7.5	7.9	7.1	0.32	0.566	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/08/74-09/23/83	2	7.337	7.337	7.9	7.1	0.373	0.611	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/08/74-09/23/83	2	0.046	0.046	0.079	0.013	0.002	0.047	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/23/83-09/23/83	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/23/83-09/23/83	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/23/83-09/23/83	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**
00631	NITRITE PLUS NITRATE, DISS. I DET. (MG/L AS N)	09/23/83-09/23/83	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/23/83-09/23/83	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/23/83-09/23/83	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/23/83-09/23/83	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/23/83-09/23/83	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	09/23/83-09/23/83	1	2.	2.	2.	2.	0.	0.	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/23/83-09/23/83	1	8.	8.	8.	8.	0.	0.	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/23/83-09/23/83	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/23/83-09/23/83	1	1.	1.	1.	1.	0.	0.	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/23/83-09/23/83	1 ##	5.	5.	5.	5.	0.	0.	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	09/23/83-09/23/83	1	350.	350.	350.	350.	0.	0.	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/23/83-09/23/83	1	480.	480.	480.	480.	0.	0.	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/23/83-09/23/83	1	130.	130.	130.	130.	0.	0.	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/23/83-09/23/83	1 ##	50.	50.	50.	50.	0.	0.	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	09/23/83-09/23/83	1	0.	0.	0.	0.	0.	0.	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/23/83-09/23/83	1	20.	20.	20.	20.	0.	0.	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/23/83-09/23/83	1	23.	23.	23.	23.	0.	0.	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/23/83-09/23/83	1	30.	30.	30.	30.	0.	0.	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/23/83-09/23/83	1	10.	10.	10.	10.	0.	0.	**	**	**
32230	CHLOROPHYLL A (MG/L)	11/08/74-11/08/74	1	0.	0.	0.	0.	0.	0.	**	**	**
32231	CHLOROPHYLL B (MG/L)	11/08/74-11/08/74	1	0.	0.	0.	0.	0.	0.	**	**	**
60050	ALGAE, TOTAL (CELLS/ML)	11/08/74-11/08/74	1	12.	12.	12.	12.	0.	0.	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-10/26/83	7	16.	12.571	19.	2.	46.952	6.852	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0025

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: PRWI0026

NPS Station ID: PRWI0026

Location: S F QUANTICO CREEK TRIB 1 AT MOUTH NR JOPLIN, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011072000.00

Description:

LAT/LON: 38.576392/ -77.381392

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.46

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658602

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 5.60

Distance from RF3: 0.02

Date Created: 05/19/84

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/83-03/27/85	5	4.	6.	10.	3.	10.5	3.24	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	11/16/83-03/27/85	5	10.	17.8	46.	2.	370.2	19.241	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/16/83-03/27/85	5	35.	34.6	36.	33.	1.3	1.14	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/02/85-03/27/85	4	26.	53.75	162.	1.	5477.583	74.011	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0027

NPS Station ID: PRWI0027

Location: S F QUANTICO CREEK AT CAMP 5 NEAR JOPLIN, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011008501.28

Description:

LAT/LON: 38.577226/ -77.410004

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 1.65

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658550

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 13.90

Distance from RF3: 0.01

Date Created: 03/31/84

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-06/25/85	32	12.5	13.094	28.5	0.5	63.41	7.963	1.	7.25	19.75	23.35
00061 FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-06/25/85	32	6.5	21.525	247.	0.2	2356.763	48.546	0.7	2.	15.	48.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-06/25/85	31	45.	45.774	55.	26.	41.314	6.428	37.6	42.	50.	53.8
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-06/25/85	28	10.	22.821	231.	3.	1803.856	42.472	4.	7.	22.5	42.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0028

NPS Station ID: PRWI0028

Location: S F QUANTICO CR TRIB NO 8 AT MOUTH NR JOPLIN, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011071705.56

Description:

LAT/LON: 38.579726/ -77.413060

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 5.76

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658540

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.20

Distance from RF3: 0.02

Date Created: 05/19/84

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-10/18/83	7	19.	17.643	23.	10.	17.893	4.23	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-10/18/83	7	0.05	0.161	0.6	0.02	0.047	0.217	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-10/18/83	7	35.	34.571	38.	30.	13.286	3.645	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-06/28/83	1	3.	3.	3.	3.	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0029

NPS Station ID: PRWI0029

Location: QUANTICO CR TRIB 1 AT PRIV RD NR DUMFRIES, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011071900.00

Description:

LAT/LON: 38.580003/ -77.343616

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.02

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658653

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 1.30

Distance from RF3: 0.02

Date Created: 10/28/86

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/01/85-03/28/85	3	5.	6.333	14.	0.	50.333	7.095	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	02/01/85-03/28/85	3	5.	4.667	8.	1.	12.333	3.512	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/01/85-03/28/85	3	6.	13.667	33.	2.	284.333	16.862	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0030

NPS Station ID: PRWI0030

Location: S F QUANTICO CR TRIB 1 AT TRAIL 10 NR JOPLIN, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011071705.26

Description:

LAT/LON: 38.583338/ -77.386949

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 5.25

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658601

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.30

Distance from RF3: 0.00

Date Created: 05/19/84

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0030

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-03/20/84	11	10.	12.182	24.	0.	59.514	7.715	0.9	6.	20.	23.6
00061 FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-03/20/84	11	0.9	0.883	3.	0.009	0.846	0.92	0.027	0.1	1.	2.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-03/20/84	11	36.	42.818	82.	30.	260.764	16.148	30.2	34.	50.	78.2
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-03/20/84	3	5.	7.	13.	3.	28.	5.292	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0031

NPS Station ID: PRWI0031

Location: S F QUANTICO CREEK AT MAWAVI RD NEAR JOPLIN, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011071600.00

Description:

LAT/LON: 38.585281/ -77.412781

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 1.23

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658530

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 7.20

Distance from RF3: 0.45

Date Created: 05/19/84

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/83-06/25/85	28	10.	10.804	22.	0.	55.08	7.422	0.95	5.	19.	21.1
00061 FLOW, STREAM, INSTANTANEOUS CFS	08/23/83-06/25/85	31	6.	19.645	294.	0.09	2762.234	52.557	0.76	3.	15.	33.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/83-06/25/85	25	46.	45.52	57.	36.	23.177	4.814	38.6	42.	47.5	52.8
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/20/84-03/27/85	22	10.	48.091	545.	2.	15650.944	125.104	2.3	4.	23.75	207.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0032

NPS Station ID: PRWI0032 LAT/LON: 38.587226/ -77.428892
 Location: S F QUANTICO CREEK NEAR INDEPENDENT HILL, VA
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011 Depth of Water: 0
 Major Basin: Elevation: 0
 Minor Basin:
 RF1 Index: 02070011 RF1 Mile Point: 0.000
 RF3 Index: 02070011045603.17 RF3 Mile Point: 3.43
 Description:

Agency: 112WRD
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 01658500
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 2.50
 Distance from RF3: 0.03

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: PRWI0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/69-08/27/85	31	12.	13.597	25.	0.	45.39	6.737	4.4	9.	20.	22.8
00060	FLOW, STREAM, MEAN DAILY CFS	08/01/51-05/06/69	6	2.	8.233	40.	0.4	243.687	15.61	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-08/27/85	29	4.	8.136	79.	0.05	220.651	14.854	0.2	0.5	10.5	18.
00080	COLOR (PLATINUM-COBALT UNITS)	08/01/51-10/25/73	8	31.	30.5	45.	7.	129.429	11.377	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/51-08/27/85	33	55.	55.515	80.	36.	148.758	12.197	40.	46.	64.	77.2
00400	PH (STANDARD UNITS)	08/01/51-09/23/83	9	6.8	6.733	7.1	6.3	0.09	0.3	6.3	6.45	7.05	7.1
00400	CONVERTED PH (STANDARD UNITS)	08/01/51-09/23/83	9	6.8	6.644	7.1	6.3	0.099	0.315	6.3	6.45	7.05	7.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/51-09/23/83	9	0.158	0.227	0.501	0.079	0.023	0.151	0.079	0.09	0.357	0.501
00403	PH, LAB, STANDARD UNITS SU	09/23/83-09/23/83	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/23/83-09/23/83	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/23/83-09/23/83	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	03/28/73-10/25/73	2	9.3	9.3	11.	7.6	5.78	2.404	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	02/19/69-10/25/73	4	19.	18.25	25.	10.	48.917	6.994	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/01/51-10/25/73	8	26.5	21.75	31.	5.	83.929	9.161	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	02/19/69-10/25/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/28/73-10/25/73	2	0.065	0.065	0.09	0.04	0.001	0.035	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/23/83-09/23/83	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/19/69-05/06/69	2	0.06	0.06	0.12	0.	0.007	0.085	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	08/01/51-10/25/73	8	18.	17.625	22.	12.	10.268	3.204	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/01/51-10/25/73	8	0.	1.875	10.	0.	12.125	3.482	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	08/01/51-09/23/83	9	4.	4.	5.3	2.5	0.898	0.947	2.5	3.2	4.8	5.3
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/51-09/23/83	9	1.9	1.833	2.2	1.4	0.068	0.26	1.4	1.6	2.05	2.2
00930	SODIUM, DISSOLVED (MG/L AS Na)	08/01/51-09/23/83	9	4.6	4.522	5.9	1.9	1.732	1.316	1.9	3.6	5.65	5.9
00931	SODIUM ADSORPTION RATIO	02/19/69-10/25/73	4	0.5	0.475	0.5	0.4	0.002	0.05	**	**	**	**
00932	SODIUM, PERCENT	02/19/69-10/25/73	4	35.	35.	36.	34.	0.667	0.816	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/18/52-09/23/83	8	1.35	1.35	1.8	0.8	0.143	0.378	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/01/51-09/23/83	9	3.	3.111	4.	2.	0.361	0.601	2.	3.	3.5	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/51-09/23/83	9	7.	6.667	11.	4.	7.	2.646	4.	4.	9.	11.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/01/51-10/25/73	8	0.05	0.063	0.2	0.	0.006	0.074	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SiO2)	08/01/51-09/23/83	9	15.	16.178	22.	7.6	21.534	4.641	7.6	13.5	20.	22.
01002	ARSENIC, TOTAL (UG/L AS AS)	09/23/83-09/23/83	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/23/83-09/23/83	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	09/23/83-09/23/83	1	820.	820.	820.	820.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/23/83-09/23/83	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	02/19/69-09/23/83	5	420.	442.	650.	180.	33820.	183.902	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/23/83-09/23/83	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	09/23/83-09/23/83	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/23/83-09/23/83	1	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: PRWI0032

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/23/83-09/23/83	1	110.	110.	110.	110.	0.	0.	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/23/83-09/23/83	1	20.	20.	20.	20.	0.	0.	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/23/83-09/23/83	1	20.	20.	20.	20.	0.	0.	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/01/51-10/25/73	8	58.	54.75	68.	42.	80.786	8.988	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/19/69-10/25/73	4	48.5	48.	55.	40.	39.333	6.272	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/19/69-05/06/69	2	0.365	0.365	0.48	0.25	0.026	0.163	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/19/69-10/25/73	4	0.075	0.073	0.08	0.06	0.	0.01	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/28/73-10/25/73	2 ##	0.006	0.006	0.006	0.005	0.	0.001	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/01/51-10/25/73	8	0.45	0.475	1.	0.2	0.065	0.255	**	**	**
71885	IRON (UG/L AS FE)	08/01/51-02/07/56	4	250.	285.	570.	70.	48700.	220.681	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-08/27/85	20	10.	12.65	53.	2.	163.818	12.799	2.	4.25	13.75

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0032

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15----- Obs Exceed Prop.	-----3/16-6/30----- Obs Exceed Prop.	-----7/01-9/30----- Obs Exceed Prop.	-----n/a----- Obs Exceed Prop.
00400	PH	Other-Hi Lim. 9.	9	0	0.00	5 0 0.00	2 0 0.00	2 0 0.00	
		Other-Lo Lim. 6.5	9	3	0.33	5 1 0.20	2 1 0.50	2 1 0.50	
00403	PH, LAB	Other-Hi Lim. 9.	1	0	0.00			1 0 0.00	
		Other-Lo Lim. 6.5	1	1	1.00			1 1 1.00	
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water 10.	2	0	0.00	1 0 0.00	1 0 0.00		
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water 10.	1	0	0.00			1 0 0.00	
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute 860.	9	0	0.00	5 0 0.00	2 0 0.00	2 0 0.00	
00945	SULFATE, TOTAL (AS SO4)	Drinking Water 400.	9	0	0.00	5 0 0.00	2 0 0.00	2 0 0.00	
01002	ARSENIC, TOTAL	Fresh Acute 360.	1	0	0.00			1 0 0.00	
		Drinking Water 50.	1	0	0.00			1 0 0.00	
01042	COPPER, TOTAL	Fresh Acute 18.	1	0	0.00			1 0 0.00	
		Drinking Water 1300.	1	0	0.00			1 0 0.00	
01051	LEAD, TOTAL	Fresh Acute 82.	1	0	0.00			1 0 0.00	
		Drinking Water 5.	0 &	0	0.00				
01092	ZINC, TOTAL	Fresh Acute 120.	1	0	0.00			1 0 0.00	
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water 44.	8	0	0.00	5 0 0.00	2 0 0.00	1 0 0.00	

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: PRWI0033

NPS Station ID: PRWI0033
 Location: RT. 619 BRIDGE
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:

LAT/LON: 38.587226/ -77.428892

Agency: 21VASWCB
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 1ASOQ006.73 /VA1A07-X0117/VA1A3X0117
 Within Park Boundary: No

Date Created: / /

HUC: 02070011
 Major Basin: 02-NORTH-ATLANTIC
 Minor Basin: 1-POTOMAC-SHENANDOAH
 RF1 Index: 02070011086
 RF3 Index: 02070011008500.98

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 9.620
 RF3 Mile Point: 1.47

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.04

On/Off RF1: OFF
 On/Off RF3:

Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 1A POTOMAC REGION: 3 NORTHERN VIRGINIA
 RIVER: S. F. QUANTICO CR SECTION: 07 TOPO MAP #: 0042 TOPO MAP NAME: JOPLIN, VA

Parameter Inventory for Station: PRWI0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/74-06/18/79	23	16.	14.674	26.	0.5	65.699	8.106	1.78	7.2	21.7	24.
00300 OXYGEN, DISSOLVED MG/L	10/29/74-06/18/79	23	8.8	9.417	13.2	7.3	3.165	1.779	7.4	8.	10.7	12.32
00310 BOD, 5 DAY, 20 DEG C MG/L	04/18/77-04/18/77	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	10/29/74-04/25/79	22	7.	6.955	7.6	6.	0.154	0.392	6.39	6.7	7.3	7.47
00400 CONVERTED PH (STANDARD UNITS)	10/29/74-04/25/79	22	7.	6.764	7.6	6.	0.192	0.438	6.39	6.7	7.3	7.47
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/29/74-04/25/79	22	0.1	0.172	1.	0.025	0.046	0.214	0.034	0.05	0.2	0.426
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/29/74-06/18/79	23 ##	0.05	0.054	0.1	0.05	0.	0.014	0.05	0.05	0.05	0.08
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	10/29/74-06/18/79	23 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	10/29/74-10/07/76	10 ##	0.025	0.04	0.13	0.005	0.002	0.041	0.006	0.021	0.044	0.127
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/29/74-06/18/79	23	0.2	0.207	0.5	0.	0.017	0.13	0.07	0.1	0.3	0.4
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/02/76-06/18/79	13 ##	0.025	0.038	0.09	0.025	0.	0.022	0.025	0.025	0.055	0.082
01002 ARSENIC, TOTAL (UG/L AS AS)	10/20/75-04/25/79	6 ##	1.	1.25	2.	1.	0.175	0.418	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	10/20/75-04/25/79	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	10/20/75-04/25/79	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	10/20/75-04/25/79	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	04/25/79-04/25/79	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	10/20/75-04/25/79	6	4.5	4.667	8.	1.	6.667	2.582	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	04/25/79-04/25/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	10/20/75-04/25/79	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	10/20/75-04/25/79	6	10.	43.333	210.	5.	6696.667	81.833	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	10/29/74-06/18/79	24 ##	50.	93.75	300.	50.	5067.935	71.189	50.	50.	100.	200.
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	10/29/74-06/18/79	24 ##	1.699	1.882	2.477	1.699	0.07	0.265	1.699	1.699	2.	2.301
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			76.192								
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	08/18/75-08/18/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70505 PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	10/29/74-06/18/79	23 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
70507 PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/29/74-06/18/79	23 ##	0.01	0.015	0.05	0.005	0.	0.016	0.005	0.005	0.02	0.05
71900 MERCURY, TOTAL (UG/L AS HG)	10/20/75-04/25/79	6 ##	0.25	0.217	0.25	0.15	0.003	0.052	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0033

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	23	0	0.00	11	0	0.00	9	0	0.00	3	0	0.00			
00400 PH	Other-Hi Lim.	9.	22	0	0.00	11	0	0.00	8	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	22	2	0.09	11	2	0.18	8	0	0.00	3	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	23	0	0.00	11	0	0.00	9	0	0.00	3	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	3	0	0.00	3	0	0.00						
	Drinking Water	50.	6	0	0.00	3	0	0.00	3	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
	Drinking Water	5.	0 &	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00	3	0	0.00	3	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	6	0	0.00	3	0	0.00	3	0	0.00						
	Drinking Water	1300.	6	0	0.00	3	0	0.00	3	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	6	0	0.00	3	0	0.00	3	0	0.00						
	Drinking Water	5.	6	3	0.50	3	1	0.33	3	2	0.67						
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	6	0	0.00	3	0	0.00	3	0	0.00						
	Drinking Water	100.	6	0	0.00	3	0	0.00	3	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	6	1	0.17	3	1	0.33	3	0	0.00						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	24	5	0.21	12	2	0.17	9	3	0.33	3	0	0.00			
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00							1	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	6	0	0.00	3	0	0.00	3	0	0.00						
	Drinking Water	2.	6	0	0.00	3	0	0.00	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: PRWI0034

NPS Station ID: PRWI0034

Location: QUANTICO CREEK BELOW CAMP 4 NEAR DUMFRIES, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011008501.28

Description:

LAT/LON: 38.589726/ -77.357226

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 1.34

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658460

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 3.20

Distance from RF3: 0.04

Date Created: 03/31/84

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/17/83-11/17/83	8	17.75	18.	29.5	9.	69.5	8.337	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/17/83-11/17/83	8	2.5	3.606	11.	0.05	15.472	3.933	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/17/83-11/17/83	8	46.	49.75	73.	43.	98.786	9.939	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-10/26/83	7	20.	94.857	520.	5.	35499.81	188.414	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0035

NPS Station ID: PRWI0035
 Location: MARY BIRD BRANCH AT TAYLOR FARM RD NR JOPLIN, VA
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011
 Major Basin:
 Minor Basin:
 RF1 Index: 02070011
 RF3 Index: 02070011071701.23
 Description:

LAT/LON: 38.593337/ -77.376670

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 1.49

Agency: 112WRD
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 01658615
 Within Park Boundary: Yes

Date Created: 05/19/84

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.60
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: PRWI0035

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/83-12/14/83	8	9.	11.688	20.	8.	19.496	4.415	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	03/30/83-12/14/83	8	0.075	0.106	0.3	0.008	0.01	0.098	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/30/83-12/14/83	8	35.	36.875	47.	31.	40.125	6.334	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-06/28/83	1	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0036

NPS Station ID: PRWI0036

Location: S F QUANTICO CR TRIB 7 NR INDEPENDENT HILL, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011008501.28

Description:

LAT/LON: 38.598059/ -77.418893

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 4.20

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658510

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 12.50

Distance from RF3: 0.01

Date Created: 05/19/84

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/83-05/25/83	2	12.5	12.5	16.5	8.5	32.	5.657	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	04/19/83-05/25/83	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/83-05/25/83	2	27.5	27.5	28.	27.	0.5	0.707	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0037

NPS Station ID: PRWI0037 LAT/LON: 38.602504/ -77.369171
 Location: QUANTICO CR AT BURMA RD NR INDEPENDENT HILL, VA
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011 Depth of Water: 0
 Major Basin: Elevation: 0
 Minor Basin:
 RF1 Index: 02070011 RF1 Mile Point: 0.000
 RF3 Index: 02070011008808.51 RF3 Mile Point: 12.67
 Description:

Agency: 112WRD
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 01658450
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.40
 Distance from RF3: 0.05

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: PRWI0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/73-03/29/84	15	9.	12.933	25.	5.	50.638	7.116	5.6	7.	22.	24.4
00061 FLOW, STREAM, INSTANTANEOUS CFS	03/17/83-03/29/84	13	3.	11.891	114.	0.01	952.681	30.866	0.018	0.27	7.	72.8
00080 COLOR (PLATINUM-COBALT UNITS)	03/28/73-10/25/73	2	35.	35.	40.	30.	50.	7.071	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/73-03/29/84	15	44.	49.133	73.	37.	124.981	11.179	37.6	42.	54.	73.
00400 PH (STANDARD UNITS)	03/28/73-10/25/73	2	6.65	6.65	6.8	6.5	0.045	0.212	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	03/28/73-10/25/73	2	6.625	6.625	6.8	6.5	0.046	0.215	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/28/73-10/25/73	2	0.237	0.237	0.316	0.158	0.012	0.112	**	**	**	**
00405 CARBON DIOXIDE (MG/L AS CO2)	03/28/73-10/25/73	2	4.4	4.4	4.8	4.	0.32	0.566	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	03/28/73-10/25/73	2	11.5	11.5	16.	7.	40.5	6.364	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	03/28/73-10/25/73	2	13.5	13.5	19.	8.	60.5	7.778	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	03/28/73-10/25/73	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/28/73-10/25/73	2	0.03	0.03	0.04	0.02	0.	0.014	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	03/28/73-10/25/73	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	03/28/73-10/25/73	2	2.	2.	4.	0.	8.	2.828	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS Ca)	03/28/73-10/25/73	2	2.15	2.15	2.3	2.	0.045	0.212	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS Mg)	03/28/73-10/25/73	2	1.3	1.3	1.4	1.2	0.02	0.141	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS Na)	03/28/73-10/25/73	2	3.75	3.75	4.5	3.	1.125	1.061	**	**	**	**
00931 SODIUM ADSORPTION RATIO	03/28/73-10/25/73	2	0.5	0.5	0.6	0.4	0.02	0.141	**	**	**	**
00932 SODIUM, PERCENT	03/28/73-10/25/73	2	40.5	40.5	43.	38.	12.5	3.536	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	03/28/73-10/25/73	2	1.	1.	1.3	0.7	0.18	0.424	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	03/28/73-10/25/73	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	03/28/73-10/25/73	2	6.	6.	8.	4.	8.	2.828	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	03/28/73-10/25/73	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SiO2)	03/28/73-10/25/73	2	13.	13.	14.	12.	2.	1.414	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS Fe)	03/28/73-10/25/73	2	165.	165.	210.	120.	4050.	63.64	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	03/28/73-10/25/73	2	41.5	41.5	46.	37.	40.5	6.364	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/28/73-10/25/73	2	37.5	37.5	40.	35.	12.5	3.536	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/28/73-10/25/73	2	0.055	0.055	0.06	0.05	0.	0.007	**	**	**	**
70507 PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/28/73-10/25/73	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/28/73-10/25/73	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/28/83-10/26/83	7	27.	31.	85.	9.	672.333	25.929	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0037

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	1	0.50	1	0	0.00	1	1	1.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00	1	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: PRWI0038

NPS Station ID: PRWI0038

Location: QUANTICO CREEK SOUTH FORK AT MALAWI FIRE RD

Station Type: /TYPA/AMBNT/STREAM/BIO

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin: NORTH ATLANTIC

Minor Basin: POTOMAC RIVER

RF1 Index: 02070011

RF3 Index: 02070011008301.68

Description:

BIOLOGICAL SAMPLING TO DETERMINE IMPACT OF WATERSHED URBANIZATION

STUDY SITE OF DEPARTMENT OF BIOLOGY AT GEORGE MASON UNIVERSITY

LAT/LON: 38.605865/ -77.439559

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 2.28

ON STREAM INSECT COMMUNITIES

Agency: 31GMU

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): QUANTICO-02

Within Park Boundary: No

Aquifer:

Water Body Id: SOUTH FORK OF QUANTICO CR

ECO Region: 65G

Distance from RF1: 2.30

Distance from RF3: 0.14

Date Created: 07/25/87

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0038

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
***** No Parameter Data Available for this Station *****												

Station Inventory for Station: PRWI0039

NPS Station ID: PRWI0039

Location: QUANTICO CR AT TRAIL NR INDEPENDENT HILL, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011008501.28

Description:

LAT/LON: 38.607226/ -77.399170

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 4.20

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658430

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 12.60

Distance from RF3: 0.02

Date Created: 05/19/84

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0039

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/83-03/30/83	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	03/30/83-03/30/83	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/30/83-03/30/83	1	43.	43.	43.	43.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0040

NPS Station ID: PRWI0040

Location: QUANTICO CR TRIB NO 3 NR INDEPENDENT HILL, VA

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin:

Minor Basin:

RF1 Index: 02070011

RF3 Index: 02070011071703.03

Description:

LAT/LON: 38.607504/ -77.399726

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 8.35

Agency: 112WRD

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): 01658425

Within Park Boundary: Yes

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.50

Distance from RF3: 0.03

Date Created: 05/19/84

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/83-03/30/83	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	03/30/83-03/30/83	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/30/83-03/30/83	1	27.	27.	27.	27.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: PRWI0041

NPS Station ID: PRWI0041

Location: QUANTICO CREEK NORTH FORK AT BURMA FIRE ROAD

Station Type: /TYP/AMBNT/STREAM/BIO

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin: NORTH ATLANTIC

Minor Basin: POTOMAC RIVER

RF1 Index: 02070011

RF3 Index: 02070011008501.28

Description:

BIOLOGICAL SAMPLING TO DETERMINE IMPACT OF WATERSHED URBANIZATION

STUDY SITE OF DEPARTMENT OF BIOLOGY AT GEORGE MASON UNIVERSITY

LAT/LON: 38.615642/ -77.368559

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 1.36

ON STREAM INSECT COMMUNITIES

Agency: 31GMU

FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM

STORET Station ID(s): QUANTICO-01

Within Park Boundary: No

Aquifer:

Water Body Id: NORTH FORK OF QUANTICO CR

ECO Region: 65G

Distance from RF1: 4.10

Distance from RF3: 0.08

Date Created: 07/25/87

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: PRWI0041

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
***** No Parameter Data Available for this Station *****												

Station Inventory for Station: PRWI0042

NPS Station ID: PRWI0042
 Location: RT. 643 (PRINCE WILLIAM COUNTY)
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 1-POTOMAC-SHENANDOAH
 RF1 Index: 02070011
 RF3 Index: 02070011007800.16
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: POWELLS CREEK

LAT/LON: 38.616948/ -77.372504

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.15

Agency: 21VASWCB
 FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM
 STORET Station ID(s): 1APOW009.99
 Within Park Boundary: No

Date Created: 02/27/93

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 10.80
 Distance from RF3: 0.49

On/Off RF1:
 On/Off RF3:

AMBIENT MONITORING BASIN: 1A POTOMAC REGION: 3 NORTHERN
 SECTION: 07 TOPO MAP #: 0043 TOPO MAP NAME: QUANTICO, VA - MD

Parameter Inventory for Station: PRWI0042

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/88-06/08/88	1	20.9	20.9	20.9	20.9	0.	0.	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)	06/08/88-06/08/88	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	06/08/88-06/08/88	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	01/12/75-06/08/88	2	10.	10.	12.3	7.7	10.58	3.253	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	01/12/75-06/08/88	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	01/12/75-06/08/88	2	10.5	10.5	13.	8.	12.5	3.536	**	**	**	**
00400 PH (STANDARD UNITS)	01/12/75-06/08/88	2	6.8	6.8	7.	6.6	0.08	0.283	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	01/12/75-06/08/88	2	6.755	6.755	7.	6.6	0.084	0.29	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/12/75-06/08/88	2	0.176	0.176	0.251	0.1	0.011	0.107	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	06/08/88-06/08/88	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	06/08/88-06/08/88	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/88-06/08/88	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	06/08/88-06/08/88	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	01/12/75-01/12/75	1	87.	87.	87.	87.	0.	0.	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	01/12/75-01/12/75	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	01/12/75-01/12/75	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/75-06/08/88	2 ##	3.25	3.25	4.	2.5	1.125	1.061	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/12/75-06/08/88	2 ##	2.25	2.25	2.5	2.	0.125	0.354	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/12/75-06/08/88	2 ##	2.25	2.25	2.5	2.	0.125	0.354	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/08/88-06/08/88	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/75-06/08/88	2	0.095	0.095	0.16	0.03	0.008	0.092	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/75-06/08/88	2 ##	0.093	0.093	0.18	0.005	0.015	0.124	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/75-06/08/88	2	0.25	0.25	0.4	0.1	0.045	0.212	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	01/12/75-06/08/88	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/12/75-06/08/88	2 ##	0.035	0.035	0.05	0.02	0.	0.021	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/75-06/08/88	2	4.85	4.85	6.	3.7	2.645	1.626	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	06/08/88-06/08/88	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	06/08/88-06/08/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	06/08/88-06/08/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	06/08/88-06/08/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	06/08/88-06/08/88	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	06/08/88-06/08/88	1	1670.	1670.	1670.	1670.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	06/08/88-06/08/88	1	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: PRWI0042

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067 NICKEL, TOTAL (UG/L AS NI)	06/08/88-06/08/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	06/08/88-06/08/88	1	20.	20.	20.	20.	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	06/08/88-06/08/88	1	300.	300.	300.	300.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	06/08/88-06/08/88	1	2,477	2,477	2,477	2,477	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	06/08/88-06/08/88	1	300.	300.	300.	300.	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	06/08/88-06/08/88	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0042

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00400 PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
	Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	1	1	1.00				1	1	1.00						
	Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: PRWI0043

NPS Station ID: PRWI0043	LAT/LON: 38.632226/ -77.398337	Agency: 21VASWCB	Date Created: 02/27/93
Location: RT. 640 (PRINCE WILLIAM COUNTY)		FIPS State/County: 51153 VIRGINIA/PRINCE WILLIAM	
Station Type: /TYPA/AMBNT/STREAM		STORET Station ID(s): 1APOW012.24	
RMI-Indexes:		Within Park Boundary: No	
RMI-Miles:			
HUC: 02070011	Depth of Water: 0	Aquifer:	
Major Basin: 02-NORTH ATLANTIC	Elevation: 0	Water Body Id:	
Minor Basin: 1-POTOMAC-SHENANDOAH		ECO Region:	
RF1 Index: 02070011	RF1 Mile Point: 0.000	Distance from RF1: 10.80	On/Off RF1:
RF3 Index: 02070011007800.16	RF3 Mile Point: 0.15	Distance from RF3: 0.49	On/Off RF3:
Description:			
VIRGINIA STATE WATER CONTROL BOARD	AMBIENT MONITORING	BASIN: 1A POTOMAC	REGION: 3 NORTHERN
RIVER: POWELLS CREEK	SECTION: 07	TOPO MAP #: 0036	TOPO MAP NAME: INDEPENDENT HILL, VA

Parameter Inventory for Station: PRWI0043

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/88-06/08/88	1	21.3	21.3	21.3	21.3	0.	0.	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)	06/08/88-06/08/88	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	06/08/88-06/08/88	1	112.	112.	112.	112.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	01/12/75-06/08/88	2	9.5	9.5	12.	7.	12.5	3.536	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	01/12/75-06/08/88	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	01/12/75-06/08/88	2	10.5	10.5	13.	8.	12.5	3.536	**	**	**	**
00400 PH (STANDARD UNITS)	01/12/75-06/08/88	2	6.6	6.6	6.7	6.5	0.02	0.141	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	01/12/75-06/08/88	2	6.589	6.589	6.7	6.5	0.02	0.142	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/12/75-06/08/88	2	0.258	0.258	0.316	0.2	0.007	0.083	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	06/08/88-06/08/88	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	06/08/88-06/08/88	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/88-06/08/88	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	06/08/88-06/08/88	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	01/12/75-01/12/75	1	79.	79.	79.	79.	0.	0.	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	01/12/75-01/12/75	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	01/12/75-01/12/75	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/75-06/08/88	2 ##	4.25	4.25	6.	2.5	6.125	2.475	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/12/75-06/08/88	2 ##	4.25	4.25	6.	2.5	6.125	2.475	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/12/75-06/08/88	2 ##	1.25	1.25	2.5	0.	3.125	1.768	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/12/75-06/08/88	2	0.095	0.095	0.1	0.09	0.	0.007	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/75-06/08/88	2 ##	0.023	0.023	0.04	0.005	0.001	0.025	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/75-06/08/88	2	0.105	0.105	0.16	0.05	0.006	0.078	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/75-06/08/88	2	0.3	0.3	0.4	0.2	0.02	0.141	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	01/12/75-06/08/88	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/12/75-06/08/88	2 ##	0.035	0.035	0.05	0.02	0.	0.021	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/75-06/08/88	2	4.45	4.45	4.9	4.	0.405	0.636	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	06/08/88-06/08/88	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	06/08/88-06/08/88	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/08/88-06/08/88	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	06/08/88-06/08/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028 CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	06/08/88-06/08/88	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01029 CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	06/08/88-06/08/88	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	06/08/88-06/08/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: PRWI0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	06/08/88-06/08/88	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/08/88-06/08/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/08/88-06/08/88	1	2350.	2350.	2350.	2350.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/08/88-06/08/88	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/08/88-06/08/88	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/08/88-06/08/88	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/08/88-06/08/88	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/08/88-06/08/88	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/08/88-06/08/88	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/08/88-06/08/88	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/08/88-06/08/88	1##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/08/88-06/08/88	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/08/88-06/08/88	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/08/88-06/08/88	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: PRWI0043

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00			1	0	0.00						
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00	1	0	0.00	1	0	0.00					
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00					
		Other-Lo Lim.	6.5	2	1	0.50	1	1	1.00	1	0	0.00					
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00			1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00			1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00					
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00					
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00			1	0	0.00						
		Drinking Water	50.	1	0	0.00			1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00			1	0	0.00						
		Drinking Water	5.	1	0	0.00			1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00			1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00			1	1	1.00						
		Drinking Water	1300.	1	0	0.00			1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00			1	0	0.00						
		Drinking Water	5.	1	0	0.00			1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00			1	0	0.00						
		Drinking Water	100.	1	0	0.00			1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00			1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00			1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00			1	0	0.00						
		Drinking Water	2.	1	0	0.00			1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire PRWI Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	123	2	0.02	59	2	0.03	32	0	0.00	32	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	40	0	0.00	20	0	0.00	12	0	0.00	8	0	0.00		
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	399	0	0.00	171	0	0.00	123	0	0.00	105	0	0.00		
00400	PH	Other-Hi Lim.	9.	435	2	0.00	192	1	0.01	129	0	0.00	114	1	0.01		
		Other-Lo Lim.	6.5	435	136	0.31	192	57	0.30	129	39	0.30	114	40	0.35		
00403	PH, LAB	Other-Hi Lim.	9.	184	0	0.00	71	0	0.00	55	0	0.00	58	0	0.00		
		Other-Lo Lim.	6.5	184	107	0.58	71	46	0.65	55	27	0.49	58	34	0.59		
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00								
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	440	0	0.00	194	0	0.00	135	0	0.00	111	0	0.00		
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	9	0	0.00	5	0	0.00	4	0	0.00					
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	373	0	0.00	164	0	0.00	109	0	0.00	100	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	66	0	0.00	29	0	0.00	26	0	0.00	11	0	0.00		
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00		
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	143	0	0.00	64	0	0.00	36	0	0.00	43	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	119	1	0.01	55	0	0.00	32	1	0.03	32	0	0.00		
01002	ARSENIC, TOTAL	Fresh Acute	360.	54	0	0.00	21	0	0.00	15	0	0.00	18	0	0.00		
		Drinking Water	50.	54	0	0.00	21	0	0.00	15	0	0.00	18	0	0.00		
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	10	0	0.00	6	0	0.00	2	0	0.00	2	0	0.00		
01027	CADMIUM, TOTAL	Fresh Acute	3.9	22 &	4	0.18	6	0	0.00	4	2	0.50	12	2	0.17		
		Drinking Water	5.	22 &	3	0.14	6	0	0.00	4	2	0.50	12	1	0.08		
01034	CHROMIUM, TOTAL	Drinking Water	100.	57	0	0.00	23	0	0.00	19	0	0.00	15	0	0.00		
01042	COPPER, TOTAL	Fresh Acute	18.	60 &	20	0.33	22	8	0.36	19	4	0.21	19	8	0.42		
		Drinking Water	1300.	63	0	0.00	24	0	0.00	20	0	0.00	19	0	0.00		
01051	LEAD, TOTAL	Fresh Acute	82.	62	0	0.00	24	0	0.00	19	0	0.00	19	0	0.00		
		Drinking Water	5.	40 &	14	0.35	13	7	0.54	13	4	0.31	14	3	0.21		
01059	THALLIUM, TOTAL	Fresh Acute	1400.	10	0	0.00	6	0	0.00	2	0	0.00	2	0	0.00		
		Drinking Water	2.	2 &	0	0.00							2	0	0.00		
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	24	0	0.00	11	0	0.00	12	0	0.00	1	0	0.00		
		Drinking Water	100.	24	0	0.00	11	0	0.00	12	0	0.00	1	0	0.00		
01067	NICKEL, TOTAL	Fresh Acute	1400.	27	0	0.00	9	0	0.00	5	0	0.00	13	0	0.00		
		Drinking Water	100.	27	0	0.00	9	0	0.00	5	0	0.00	13	0	0.00		
01077	SILVER, TOTAL	Fresh Acute	4.1	4	0	0.00	4	0	0.00								
		Drinking Water	50.	4	0	0.00	4	0	0.00								
01092	ZINC, TOTAL	Fresh Acute	120.	61	16	0.26	22	8	0.36	20	1	0.05	19	7	0.37		
01147	SELENIUM, TOTAL	Fresh Acute	20.	12	0	0.00	8	0	0.00	2	0	0.00	2	0	0.00		
		Drinking Water	50.	12	0	0.00	8	0	0.00	2	0	0.00	2	0	0.00		
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	21	7	0.33	11	4	0.36	2	0	0.00	8	3	0.38		
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	40	13	0.33	20	9	0.45	8	2	0.25	12	2	0.17		
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	330	69	0.21	149	16	0.11	100	27	0.27	81	26	0.32		
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	4	0	0.00							4	0	0.00		
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	4	0	0.00							4	0	0.00		
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	12	0	0.00	2	0	0.00	2	0	0.00	8	0	0.00		
		Drinking Water	1.	12	0	0.00	2	0	0.00	2	0	0.00	8	0	0.00		
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	12	0	0.00	2	0	0.00	2	0	0.00	8	0	0.00		
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	12	0	0.00	2	0	0.00	2	0	0.00	8	0	0.00		
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	12	0	0.00	2	0	0.00	2	0	0.00	8	0	0.00		
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	17	0	0.00	2	0	0.00	3	0	0.00	12	0	0.00		
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	4	0	0.00							4	0	0.00		
		Drinking Water	0.2	4	0	0.00							4	0	0.00		
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	8	0	0.00	2	0	0.00	2	0	0.00	4	0	0.00		
		Drinking Water	2.	8	0	0.00	2	0	0.00	2	0	0.00	4	0	0.00		
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	13	0	0.00	2	0	0.00	3	0	0.00	8	0	0.00		
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	12	0	0.00	2	0	0.00	2	0	0.00	8	0	0.00		
		Drinking Water	0.2	12	0	0.00	2	0	0.00	2	0	0.00	8	0	0.00		
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	4	0	0.00							4	0	0.00		
		Drinking Water	3.	4	0	0.00							4	0	0.00		
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	4	0	0.00							4	0	0.00		
		Drinking Water	0.4	4	0	0.00							4	0	0.00		
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	4	0	0.00							4	0	0.00		
		Drinking Water	0.2	4	0	0.00							4	0	0.00		
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	8	0	0.00	2	0	0.00	2	0	0.00	4	0	0.00		
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	4	0	0.00							4	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire PRWI Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----10/01-3/15-----			-----3/16-6/30-----			-----7/01-9/30-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	8	0	0.00	2	0	0.00	2	0	0.00	4	0	0.00		
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	8	0	0.00	2	0	0.00	2	0	0.00	4	0	0.00		
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	4	0	0.00						4	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	4	0	0.00						4	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	25	3	0.12	12	0	0.00	11	3	0.27	2	0	0.00		
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	16	0	0.00	9	0	0.00	5	0	0.00	2	0	0.00		
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00	1	0	0.00								
71900	MERCURY, TOTAL	Fresh Acute	2.4	56	0	0.00	22	0	0.00	19	0	0.00	15	0	0.00		
		Drinking Water	2.	56	0	0.00	22	0	0.00	19	0	0.00	15	0	0.00		
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	22	3	0.14	10	2	0.20	6	1	0.17	6	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

**NPS Servicewide Inventory and Monitoring Program Level I
Water Quality Parameter Inventory Data Evaluation and Analysis:
Missing Level I Groups**

There are STORET Data for Every Level I I&M Parameter Group Within
the PRWI Study Area

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Present Level I Groups

STORET Data Within the PRWI Study Area Exist for These Groups:

		Total Obs.	01/01/85 to 07/13/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
Alkalinity						
00410	ALKALINITY, TOTAL (MG/L AS CaCO ₃)	190	144	34	12	13
00440	BICARBONATE ION (MG/L AS HCO ₃)	16	0	0	16	5
00445	CARBONATE ION (MG/L AS CO ₃)	10	0	0	10	4
		216	144	34	38	22 (14) ¹
pH						
00400	PH (STANDARD UNITS)	435	145	233	57	17
00403	PH, LAB (STANDARD UNITS)	184	144	39	1	14
		619	289	272	58	31 (17) ¹
Conductivity						
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	237	134	103	0	5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	408	165	225	18	28
		645	299	328	18	33 (31) ¹
Dissolved Oxygen						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	40	40	0	0	2
00300	OXYGEN, DISSOLVED (MG/L)	399	129	230	40	10
		439	169	230	40	12 (10) ¹
Water Temperature						
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	785	272	460	53	33
		785	272	460	53	33 (33) ¹
Flow						
00060	FLOW, STREAM, MEAN DAILY CFS	7	0	0	7	2
00061	FLOW, STREAM, INSTANTANEOUS CFS	353	95	258	0	26
00065	STAGE, STREAM (FEET)	2	0	2	0	2
00067	TIDE STAGE CODE	5	3	2	0	0
		367	98	262	7	30 (27) ¹
Clarity/Turbidity						
00070	TURBIDITY, (JACKSON CANDLE UNITS)	123	103	20	0	5
00078	TRANSPARENCY, SECCHI DISC (METERS)	4	1	3	0	2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	284	167	117	0	9
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	22	22	0	0	1
		433	293	140	0	17 (9) ¹

¹Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Nitrate/Nitrogen		Total Obs.	01/01/85 to 07/13/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	436	172	227	37	10
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	9	0	0	9	4
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	373	173	162	38	10
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	439	173	228	38	10
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	66	0	66	0	3
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	6	0	5	1	5
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	16	0	0	16	5
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	1	0	0	1	1
		1346	518	688	140	48 (17) ¹
Phosphate/Phosphorus		Total Obs.	01/01/85 to 07/13/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	2	0	0	2	1
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	1	0	0	1	1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	290	173	117	0	9
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	258	141	116	1	10
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	149	0	112	37	3
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	188	30	112	46	7
		888	344	457	87	31 (14) ¹
Chlorophyll		Total Obs.	01/01/85 to 07/13/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32230	CHLOROPHYLL A (MG/L)	2	0	0	2	2
		2	0	0	2	2 (2) ¹
Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 07/13/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	147	131	0	16	10
00945	SULFATE, TOTAL (MG/L AS SO4)	119	94	9	16	14
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	16	0	0	16	5
		282	225	9	48	29 (16) ¹
Bacteria		Total Obs.	01/01/85 to 07/13/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	21	1	20	0	2
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	40	20	20	0	2
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	330	92	200	38	5
		391	113	240	38	9 (5) ¹

¹Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Toxic Elements		Total Obs.	01/01/85 to 07/13/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01002	ARSENIC, TOTAL (UG/L AS AS)	54	17	34	3	10
01012	BERYLLIUM, TOTAL (UG/L AS BE)	10	8	2	0	2
01027	CADMIUM, TOTAL (UG/L AS CD)	53	17	32	4	6
01034	CHROMIUM, TOTAL (UG/L AS CR)	57	16	32	9	6
01042	COPPER, TOTAL (UG/L AS CU)	63	17	37	9	11
01051	LEAD, TOTAL (UG/L AS PB)	62	17	37	8	11
71900	MERCURY, TOTAL (UG/L AS HG)	56	17	30	9	6
01065	NICKEL, DISSOLVED (UG/L AS NI)	24	0	20	4	3
01067	NICKEL, TOTAL (UG/L AS NI)	27	15	12	0	5
01147	SELENIUM, TOTAL (UG/L AS SE)	12	10	2	0	2
01077	SILVER, TOTAL (UG/L AS AG)	4	4	0	0	2
01059	THALLIUM, TOTAL (UG/L AS TL)	10	8	2	0	2
01092	ZINC, TOTAL (UG/L AS ZN)	61	15	37	9	11
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	12	4	8	0	2
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	8	0	8	0	2
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	17	4	12	1	2
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	4	4	0	0	2
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	4	4	0	0	2
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	4	4	0	0	2
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	4	4	0	0	2
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	8	0	8	0	2
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	12	4	8	0	2
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	12	4	8	0	2
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	12	4	8	0	2
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	13	4	8	1	2
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	4	4	0	0	2
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	4	4	0	0	2
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	4	4	0	0	2
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12	4	8	0	2
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2
34671	PCB - 1016, TOTAL (UG/L)	4	4	0	0	2
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	2
		663	253	353	57	127 (11) ¹

¹Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Park Summary: Level I Group Currentness and Distribution

Parameter Group	Total Obs.	Obs. Since 1985	% Obs. Since 1985	Stations Measuring This Group	% of Total Stations Measuring This Group	Obs. Per Station Measuring This Group	Period of Record For This Group	Observations Per Year of Period of Record
Alkalinity	216	144	66.7	14	36.8	15.4	08/01/51-04/06/93	5.2
pH	619	289	46.7	17	44.7	36.4	08/01/51-07/13/93	14.8
Conductivity	645	299	46.4	31	81.6	20.8	08/01/51-07/13/93	15.4
Dissolved Oxygen	439	169	38.5	10	26.3	43.9	01/24/72-07/13/93	20.4
Water Temperature	785	272	34.6	33	86.8	23.8	02/19/69-07/13/93	32.2
Flow	367	98	26.7	27	71.1	13.6	08/01/51-08/27/85	10.8
Clarity/Turbidity	433	293	67.7	9	23.7	48.1	01/12/75-04/06/93	23.7
Nitrate/Nitrogen	1346	518	38.5	17	44.7	79.2	08/01/51-06/15/93	32.1
Phosphate/Phosphorus	888	344	38.7	14	36.8	63.4	02/19/69-06/15/93	36.5
Chlorophyll	2	0	0.0	2	5.3	1.0	11/08/74-11/08/74	2.0 ¹
Sulfates/Total Dissolved Solids/Hardness	282	225	79.8	16	42.1	17.6	08/01/51-04/06/93	6.8
Bacteria	391	113	28.9	5	13.2	78.2	01/24/72-05/11/93	18.4
Toxic Elements	663	253	38.2	11	28.9	60.3	01/30/72-03/10/93	31.4

¹Period of record for this parameter group was less than one year. Value shown is the total observations.

Water Quality Observations
Outside STORET Edit Criteria for PRWI
(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
PRWI0001	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	820408	0955	-5.7000000	21VASWCB	1ACH0003.65	x
PRWI0001	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	820615	1230	-18.1000000	21VASWCB	1ACH0003.65	x
PRWI0001	00403	PH, LAB, STANDARD UNITS SU	930310	0900	62.2000000	21VASWCB	1ACH0003.65	x
PRWI0001	00927	MAGNESIUM, TOTAL (MG/L AS MG)	930310	0900	1830.0000000	21VASWCB	1ACH0003.65	x
PRWI0006	00927	MAGNESIUM, TOTAL (MG/L AS MG)	890530	1130	4800.0000000	21VASWCB	1ALIE003.60	x
PRWI0010	00400	PH (STANDARD UNITS)	800612	1050	0.5300000	21VASWCB	1AQUA004.46	x
PRWI0010	00927	MAGNESIUM, TOTAL (MG/L AS MG)	930310	0921	2020.0000000	21VASWCB	1AQUA004.46	x
PRWI0025	00045	PRECIPITATION, TOTAL (INCHES PER DAY)	830420	1030	45.0000000	112WRD	01658475	x

APPENDICES

Appendix A
Computer Files Transmitted With
Park Baseline Water Quality Data Inventory and Analysis

Computer disk(s) accompanying this report include up to seven (depending on the presence or absence of certain data elements) compressed (ZIP) files containing digital copies of nearly all the tables, figures, and other materials used to produce this report. To decompress these files, you must use the commonly available shareware program PKUNZIP. The command to type at the DOS prompt is:

PKUNZIP -E *COMPRESS.ZIP FILENAME.EXT*

where *COMPRESS.ZIP* is the name of one of the seven compressed (ZIP) files listed below and *FILENAME.EXT* is the name of the file you wish to extract. If you want to decompress all of the files in *COMPRESS.ZIP*, simply omit the *FILENAME.EXT*. To obtain a listing of all the files compressed into a particular ZIP file, type the following:

PKUNZIP -V *COMPRESS.ZIP* |MORE

where *COMPRESS.ZIP* is the name of one of the seven compressed ZIP files listed below. If a ZIP file spans multiple disks, use the last disk of the series (span) when obtaining a listing of all the files compressed into a particular ZIP file. Once you see the file you wish to obtain, substitute this file name for *FILENAME.EXT* in the first command line above to extract and decompress this particular file.

Included on one of the disk(s) accompanying this report is a program named PRINTZIP. This program will decompress ZIP files which don't span multiple disks and print certain files to a Hewlett-Packard (or compatible) Laser Printer. To use PRINTZIP, however, you must still have a copy of PKUNZIP in a directory listed in your path or in the same directory as the PRINTZIP program. PRINTZIP provides an easy, menu-driven interface for using PKUNZIP to decompress files and then send them to the printer. PRINTZIP allows you to send individual files, groups of files, or all files to the printer. PRINTZIP will not work with ZIP files that span multiple disks.

The following compressed (ZIP) files are included on the disk(s) accompanying this report:

(1) PRWITABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

- (a) PRWISITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.
- (b) PRWIAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.
- (c) PRWIAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

- (d) PRWIOV0.DOC - Overview of park and retrieved data.
- (e) PRWIOV1.DOC - Station period of record table.
- (f) PRWIOV2.DOC - Parameter period of record table.
- (g) PRWIOV3.DOC - Station/parameter period of record table.
- (h) PRWIINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.
- (i) PRWISEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.
- (j) PRWIEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.
- (k) PRWIIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.
- (l) PRWIBAD.DOC - Water quality observation values that were outside the range of one of 190 STORET edit criteria and were either discarded or retained.

All these compressed document files are in ASCII format and contain printer codes appropriate to Hewlett-Packard (or compatible) Laser Printers. While at the DOS prompt, any of these document files may be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the PRINT command. For example, if the document PRWIOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\PRWIOV1.DOC. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). Alternatively, you can use the PRINTZIP program to decompress and print any of these files provided the ZIP file doesn't span multiple disks. These ASCII files can also be imported into word-processed documents, but the printer codes will then have to be removed.

(2) PRWIFIGS.ZIP

This compressed file contains graphics files for all the statistical figures (time series plots; annual box and whiskers plots; seasonal box and whiskers plots) in the report in two different formats: Computer Graphic Metafile (CGM) and Hewlett-Packard Printer Control Language (PCL). The files are named with the last three digits of the Station Name followed by the five digit STORET code. The file name extension begins with either a 1 (time series), 2 (annual), or 3 (seasonal) and then either GM for CGM or CL for PCL. For example, 00100300.2GM would denote the file contains an annual box and whiskers plot in CGM format for parameter 00300 (dissolved oxygen) at station PRWI0001. While at the DOS prompt, any PCL file can be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the COPY command. For example, if the graphic 00100300.2CL (an annual box and whiskers plot of parameter 00300, dissolved oxygen, at station PRWI0001) is in the subdirectory C:\WATER, you would type: COPY C:\WATER\00100300.2CL LPT1: /B. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). The /B is necessary because the PCL file is in a binary format. Alternatively, you can use the PRINTZIP program to decompress and print any of the PCL files provided the ZIP file doesn't span multiple disks. The CGM files can be imported and/or edited in most graphics packages, including WordPerfect.

(3) PRWIPARM.ZIP

This file compresses PRWIPARM.DBF which contains all the actual values (raw data) of all the water quality data downloaded from STORET and summarized in the report. The detailed database structure for this file is contained in Appendix B.

(4) PRWISITE.ZIP

This compressed file contains up to five geo-referenced, DBASE III+ compatible site (point location) files documenting the location in the study area of water quality monitoring stations, industrial facilities discharges, drinking water intakes, water gages, and water impoundments. These files include:

- (a) PRWIWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.
- (b) PRWIIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.
- (c) PRWIDRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.
- (d) PRWIGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.
- (e) PRWIDAMS.DBF - All water impoundments within the project's study area downloaded from the DAMS database. (Not implemented in PRWI report.)

The absence of any of these files indicates that none of the particular sites were found within the study area. Detailed database structures for each of these files are contained in Appendix B.

(5) PRWIMISC.ZIP

This compressed file contains a variety of graphic and document files that are contained in the report. They are grouped into this miscellaneous compressed (ZIP) file because they don't fit neatly into any of the other compressed files. The files contained in this compressed file include:

- (a) PRWIEEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.
- (b) PRWITOC.DOC - WordPerfect Ver. 5.1 copy of the report's Table of Contents.
- (c) INTRO.DOC - WordPerfect Ver. 5.1 copy of all the text in the report from the Introduction through the Interpretive Guide to Water Quality Results.
- (d) APPENDIX.DOC - WordPerfect Ver. 5.1 copy of all the Appendices in the report.
- (e) PRWIWREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.
- (f) PRWIWQ - PCL and CLP (Windows Clipboard) copies of park maps displaying water quality station locations within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (PRWIWQA, PRWIWQB, PRWIWQC, etc.) and the index map name will end with an ampersand (&).

- (g) PRWIIDG - PCL and CLP (Windows Clipboard) copies of park maps displaying locations of industrial facilities discharges, drinking water intakes, and stream gages within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (PRWIIDGA, PRWIIDGB, PRWIIDGC, etc.) and the index map name will end with an ampersand (&). If no industrial facilities discharges, drinking water intakes, water gages, or water impoundments exist within the park's study area, these files will not be in the compressed (ZIP) file.
- (h) PRWISEHY - PCL and CLP (Windows Clipboard) copies of the hydrographs or other materials used by WRD staff as the basis for a first attempt at a seasonal analysis of the park's water quality data.

Other materials may also be included in this miscellaneous compressed (ZIP) file as warranted by conditions at the park. As with PRWIFIGS.ZIP and PRWITABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in PRWIMISC.ZIP provided the ZIP file doesn't span multiple disks. You should not, however, use PRINTZIP to print the WordPerfect document files. The CLP (Windows Clipboard) files can be imported (pasted) and/or edited in most Windows-based word processors and graphics packages.

(6) PRWIRF3.ZIP

This compressed file contains the Environmental Protection Agency's River Reach File Ver. 3.0 provisional data for the USGS catalog unit(s) encompassing the study area. The attribute data exist in both ASCII and DBASE III+ format, while the geographic traces exist in ASCII format. This compressed file contains four files for each catalog unit that touches the study area. Catalog units are identified by unique 8-character numeric names which identify the region, subregion, accounting unit, and catalog unit. Examples (your 8-character numeric names will be different) of the file types included in this compressed file are:

- (a) 12345678.RF3 - ASCII formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.
- (b) 12345678.DBF - DBASE III+ formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.
- (c) 12345678.TRC - ASCII formatted geographic file from the River Reach File containing digital, geo-referenced descriptions of all hydrographic traces within the catalog unit at a scale of 1:100,000 suitable for import into a geographic information system.
- (d) 12345678.CUB - ASCII formatted geographic file from the River Reach File containing a digital, geo-referenced description of the catalog unit boundary suitable for import into a geographic information system.

Detailed database structures for RF3-related files are contained in Appendix B.

(7) PRWIWQMW.ZIP

Between 2000 and 2002, all Baseline Water Quality Data Inventory and Analysis Reports were compiled or re-compiled in Microsoft Word 2000 (Ver. 9.0) format. This complete, digital version of the report will be made available through various means, including the Internet. Although the reports can be opened in Microsoft Word 1997 (Ver. 8.0), the time series and annual and seasonal box-plots may not be centered appropriately on a page due to discrepancies with how Word 2000 formats pictures and how Word 1997 formatted pictures. Consequently, Word 2000 is the recommended software for viewing the report. Prior to printing the report from Word, be sure to enable "Print Text as Graphics" or "Print True Type Font as Graphics" in the Printer Properties. This ensures a more faithful reproduction of the maps included in the Word document.

The Microsoft Word version of the Baseline Water Quality Data Inventory and Analysis Report may differ slightly from the original analog version. Reports issued during 1994-1996 didn't have as many "bells-and-whistles" as subsequent reports. In compiling digital Microsoft Word versions of these earlier reports, attempts were made to bring these 1994-1996 reports up to the current standard wherever feasible and practicable. Unfortunately, some changes were not feasible or practicable. For example, water quality criteria screens were added or modified over time when newer criteria became available. The digital Microsoft Word version of Appendix F presents the latest criteria screening parameters and values. Some of these parameters and/or values may not have been screened against in the EPA water quality criteria analyses for each station and the entire study area in the 1994-1996 analog versions of the report. Similarly, the Introduction, Methodology, and Interpretive Guide to Water Quality Results may mention certain features that aren't included in the 1994-1996 reports. Additionally, to prepare a Microsoft Word version of this report, data were processed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

Appendix B

Water Quality Database File Structures

The following table provides the DBASE III+ database field structure for all the water quality parameter data downloaded from STORET. This data will allow parks or other interested parties to replicate the statistical analyses and graphics contained in this report; perform more sophisticated analyses; or to establish a baseline park water quality database.

Parameter Data File: PRWIPARM.DBF in PRWIPARM.ZIP				
Field Name	Start	Stop	Length	Field Description
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
BEGDATE	9	14	6	Measurement Start Date [yymmdd]
BEGTIME	15	18	4	Measurement Start Time [hhmm]
PARMCODE	19	23	5	STORET Parameter Code
PARMVALU	24	39	16.7	Parameter Value
REMARK	40	40	1	Parameter Remark Value
				A=Value is Mean of 2 or More Determinations
				B=Results Based Upon Colony Counts Outside Acceptable Range
				C=Value Calculated
				D=Field Measurement
				E=Extra Sample Taken in Compositing Process
				F=Female Species
				G=Maximum of 2 or More Determinations
				H=Based on Field Kit Determination
				I=Value is Less Than Practical Quantitation Limit and Greater Than or Equal to the Method Detection Limit
				J=Estimated, Not the Result of Analytic Measurement
				K=Off-scale Low, Actual Value Not Known, But Known to be Less Than Value Shown
				L=Off-scale High, Actual Value Not Known, But Known to be Greater Than Value Shown

Parameter Data File: PRWIPARM.DBF in PRWIPARM.ZIP				
Field Name	Start	Stop	Length	Field Description
				M=Presence Verified, But Not Quantified, Below Quantification Limit; For Species, Male; For Oxygen Reduction Potential, Indicates a Negative Value
				N=Presumptive Evidence of Presence
				O=Analysis Lost
				P=Too Numerous to Count
				Q=Exceeded Normal Holding Time
				R=Significant Rain in Last 48 Hours
				S=Laboratory test
				T=Less Than Detection Criteria
				U=Analyzed For But Not Detected, Value is Detection Limit For Process Used; If Species, Undetermined
				V=Analyte was Detected in Sample and Method Blank
				W=Less Than Lowest Value Reportable Under Remark "T"
				X=Quasi Vertically-Integrated Sample
				Y=Analysis of Unpreserved Sample
				Z=Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value
				\$=Calculated By Retrieval Software
MEDIA	41	46	6	Sample Media
DEPTH	47	55	9.3	Depth of Sample [in feet]
ENDDATE	56	61	6	Measurement End Date [yymmdd] [all composite samples]
ENDTIME	62	65	4	Measurement End Time [hhmm] [all composite samples]
SAMPTYPE	66	69	4	Type of Sample ["sophisticated" composite samples]
				C=Continuous Collection
				G=Collection of Individual Grab Samples
				GNxx=xx is the Number of Individual Grab Samples
				B=N/A

Parameter Data File: PRWIPARM.DBF in PRWIPARM.ZIP				
Field Name	Start	Stop	Length	Field Description
COMPTYPE	70	70	1	Composite Value Type ["sophisticated" composite samples]
				A=Average
				H=Maximum
				L=Minimum
				N=Number of Observations
				#=Number of Observations
				S=Standard Deviation
				U=Sum of Squares
				V=Variance
				C=Coefficient of Error
				X=Coefficient of Variance
				E=Skewness
				F=Kurtosis
				Z=Number of Observations That Exceed an Established Limit
				%=Precision
				\$=Accuracy
				B=N/A
				D=Indicates Replicate Sample
COMPST	71	71	1	Composite Space/Time Indicator
				S=Space
				T=Time
				B=Space and Time
				F=Flow Proportional
				1-9=Replicate Number

Note: DBASE III+ record lengths will be one greater than the last stop column displayed (71 here) because DBASE III+ reserves the first space/column of every record for a deletion flag. Hence, DBASE III+ will display a record length of 72 for this database.

The following table provides the DBASE III+ database field structure for all the water quality station locations downloaded from STORET. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

<u>Water Quality Station Data File: PRWIWQ.DBF in PRWISITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
AGENCY	9	16	8	Agency Code of Station Owner
STORIDP	17	31	15	STORET Primary Station Code
STORIDS1	32	43	12	STORET First Secondary Station Code
STORIDS2	44	55	12	STORET Second Secondary Station Code
STORIDS3	56	65	10	STORET Third Secondary Station Code
LATITUDE	66	73	8	Station Latitude [degrees:minutes:seconds]
LONGITUDE	74	82	9	Station Longitude [degrees:minutes:seconds]
LAT	83	93	11.6	Station Latitude [decimal degrees, (-) below equator]
LON	94	104	11.6	Station Longitude [decimal degrees, (-) western hemisphere]
LLPREC	105	105	1	Latitude/Longitude Precision Code
RMI	106	329	224	River Mile Index
STATLOC	330	377	48	Station Location Description
CNTYCODE	378	382	5	FIPS State/County Code
STNAME	383	398	16	State Name
CNTYNAME	399	418	20	County Name
HYDUNIT	419	426	8	Hydrologic Unit Code (MAJ/MIN/SUB = Catalog Unit)
MAJBASN	427	450	24	Major Basin Name
MINBASN	451	490	40	Minor Basin Name
STATTYPE	491	550	60	Station Type
STORDATE	551	556	6	Date Station was Stored in STORET
RF1INDEX	557	567	11	RF1 Reach Number Location [2]
RF1MILE	568	575	8.3	Mile Point on RF1 Reach [2]
RF1LOC	576	578	3	Indicates the Location as ON or OFF RF1 Reach [2]
RF1DIST	579	584	6.2	Distance From RF1 Reach

Water Quality Station Data File: PRWIWQ.DBF in PRWISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
RF3INDEX	585	601	17	RF3 Reach Number Location [3]
RF3MILE	602	607	6.2	Mile point on RF3 Reach [3]
RF3LOC	608	610	3	Indicates the Location as ON or OFF RF3 Reach [2]
RF3DIST	611	616	6.2	Distance From RF3 Reach
DEPH2O	617	620	4	Depth of Water at Station Location [in feet]
ELEV	621	625	5	Station Elevation
ECOREG	626	628	3	ECO Region
H2OBODY	629	678	50	Waterbody ID
AQUIFERS	679	718	40	Aquifer Description
STATDESC1	719	790	72	Station Sentence Description
STATDESC2	791	862	72	Station Sentence Description
STATDESC3	863	934	72	Station Sentence Description
STATDESC4	935	1006	72	Station Sentence Description
STATDESC5	1007	1078	72	Station Sentence Description
STATDESC6	1079	1150	72	Station Sentence Description
STATDESC7	1151	1222	72	Station Sentence Description
STATDESC8	1223	1294	72	Station Sentence Description
STATDESC9	1295	1366	72	Station Sentence Description
STATDESC10	1367	1438	72	Station Sentence Description
STATDESC11	1439	1510	72	Station Sentence Description
STATDESC12	1511	1582	72	Station Sentence Description
STATDESC13	1583	1654	72	Station Sentence Description
STATDESC14	1655	1726	72	Station Sentence Description
STATDESC15	1727	1798	72	Station Sentence Description
STATLOCKED	1799	1799	1	Station Locked (Logical) True/False

The following table provides the DBASE III+ database field structures for the EPA Industrial Facilities Discharge database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Industrial Facilities Discharges File: PRWIIFD.DBF in PRWISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
SITEID	1	9	9	Site Identifier (NPDES Number)
LATITUDE	10	17	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	18	26	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	27	37	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	38	48	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	49	59	11	RF1 Reach Number Location
RF1MILE	60	65	6.2	Mile Point on RF1 Reach
RF1DIST	66	71	6.2	Distance From RF1 Reach
RF3INDEX	72	88	17	RF3 Reach Number Location
RF3MILE	89	94	6.2	Mile Point on RF3 Reach
RF3DIST	95	100	6.2	Distance From RF3 Reach
ADR	101	125	25	Address
BFL	126	132	7.2	Total Direct Combined C&P Flow (1000 GPD)
CCFLG	133	133	1	Coastal County Flag "Y"/"N"/"E"=Estuary
CC1	134	138	5	City Code #1 (EPA Code)
CFL	139	145	7.2	Total Direct Cooling Flow (1000 GPD)
CNC	146	148	3	County Code (FIPS)
CTY	149	168	20	City Name
CZIP	169	177	9	Canadian Zip Code
DNB	178	186	9	Dunn & Bradstreet Number
DNBFLG	187	187	1	Dunn & Bradstreet PCS Source Flag
EGF	188	202	15.4	Flow From Effluent Guidelines (1000 GPD)
EGS	203	208	6	Effluent Guidelines Subcategory
EXPDT	209	216	8	Expiration Date (mm/dd/yy)
E308SN	217	220	4	Effluent Guidelines Survey Number
FAC	221	229	9	SCS Facility Identifier (Cross-Reference)
FDS	230	232	3	Facility Data Source

Industrial Facilities Discharges File: PRWIIFD.DBF in PRWISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
FFL	233	239	7.2	Total Facility Flow (1000 GPD)
FHF	240	240	1	Fac. Hit Flag (Reach File) V=Versar Assumed
FLOTYP	241	243	3	I=Blow Down, R=Bottom Ash, S=Fly Ash
FLR	244	250	7.2	Flow Recvd-Industrial (1000 GPD) Permit Data
FRDS	251	259	9	FRDS ID# - XREF To Water Supply
FRW	260	289	30	Facility Receiving Water Name
FS1	290	293	4	Facility SIC Code (From PCS)
FS2	294	297	4	Facility SIC Code #1
FS3	298	301	4	Facility SIC Code #2
FS4	302	305	4	Facility SIC Code #3
FS5	306	309	4	Facility SIC Code #4
FUD	310	317	8	Facility Level Last Date Updated (mm/dd/yy)
IACC	318	318	1	Inactive/Active Indicator ("I" or "A")
ICAT	319	320	2	WQAB Industrial Category
ICAT2	321	322	2	WQAB Industrial Category 2
ICAT3	323	324	2	WQAB Industrial Category 3
IFL	325	331	7	Total Indirect Flow (1000 GPD)
IFT	332	332	1	Illinois Facility Type (A thru Z)
IG1	333	334	2	Facility Industrial Group #1
IG2	335	336	2	Facility Industrial Group #2
IJCN	337	346	10	Canadian Record Identifier
INACT	347	353	7	Inactive/Rescinded P=Based on Permit;A=Actual
INDCNT	354	357	4	Computed Number of Indirect Dischargers
LATLON	358	372	15	Polygon Retrieval Lat/Long.
MAJ	373	373	1	Major-Minor Flag (From PCS)
MAPID	374	377	4	Map Identifier
MJMN	378	381	4	Major/Minor Basin (EPA-STORET)
NAM	382	441	60	Facility Name
NDC	442	444	3	Number of Discharges (Pipes)

Industrial Facilities Discharges File: PRWIIFD.DBF in PRWISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
NDSFLO	445	451	7.2	NEEDS Flow (1000 GPD)
NDSIFLO	452	458	7.2	NEEDS Industrial Flow (1000 GPD)
NID	459	462	4	Number of Indirect Dischargers
NPC	463	463	1	NEEDS Pre-Treatment Code "Y"=Yes, "N"=No
NPS	464	464	1	NPDES Facility Source/Status
NSN	465	473	9	NEEDS Survey Number
NTC	474	474	1	NEEDS Treatment Code
OCP	475	480	6	Organic Chemical Producers ID Number
ODESCC	481	481	1	ODES Coastal County "Y"=Yes; "N"=No
OFL	482	488	7.2	Total Non-Direct Other Flow (1000 GPD)
OWN	489	491	3	Ownership Code
PFL	492	498	7.2	Total Direct Process Flow (1000 GPD)
REG	499	500	2	EPA Region
REGKEY	501	504	4	Region Key
RSLOFLO	505	511	7.2	Receiving Stream Low Flow
RSMNFLO	512	518	7.2	Receiving Stream Mean Flow
STA	519	520	2	State Postal Abbreviation
STAID	521	535	15	State Identifier
STC	536	537	2	State Code (FIPS)
STCITY	538	544	7	State/City Code
TFLOW	545	551	7.2	Type Flow (1000 GPD)
UFL	552	558	7.2	Total Direct Undefined Flow (1000 GPD)
XEGS	559	561	3	Effluent Guidelines Subcat Index
XKEY	562	562	1	"1","2","3","4","5","6","7","8","9"
XNME	563	565	3	GLP,DIR,F2C,ENF,CET,LAG,PPB,M85,M86
ZIP	566	570	5	Zip Code

The following table provides the DBASE III+ database field structures for drinking water intakes from the EPA DRINKS database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

<u>Drinking Water Intakes File: PRWIDRIN.DBF in PRWISITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	29	37	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
AQCD	112	115	4	Aquifer Code
ASC	116	138	23	STORET Agency/Station Code
AVGD	139	142	4	Average Depth
BUY	143	143	1	Purchase Code
CC1	144	148	5	City Code #1 (EPA Code)
CNC	149	151	3	County Code (FIPS)
CNME	152	166	15	Contact Name
CNN	167	186	20	County Name
CTITLE	187	201	15	Contact Title
CTY	202	221	20	City Name
DUD	222	229	8	Date of Update
FRDS	230	238	9	FRDS ID# - Cross-Reference
GEOAG	239	258	20	Geologic Age
GEOCDE	259	261	3	Geologic Age Code
IDAT	262	269	8	Date (mm/dd/yy)

<u>Drinking Water Intakes File: PRWIDRIN.DBF in PRWISITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
INTAKET	270	270	1	Type Source G/S/B
INTRVWR	271	285	15	Interviewer
MAXD	286	289	4	Maximum Depth
MILES	290	296	7.2	Miles
MIND	297	300	4	Minimum Depth
NAME	301	320	20	Name
NPD	321	329	9	NPDES# XREF to IFD Database
NWLS	330	332	3	Number of Wells
OWN	333	335	3	Ownership
PAVGF	336	342	7.2	Production Avg. Daily (Gal/Day)
PCTSUP	343	345	3	%Surface / %Ground
PHONE	346	355	10	Telephone Number
PMAXF	356	362	7.2	Production Max. Daily (Gal/Day)
POPSV	363	371	9	Population Served
REG	372	373	2	EPA Region
SHLAT	374	379	6	Sitehelp Latitude (DDMMSS)
SHLNG	380	386	7	Sitehelp Longitude (DDDMMSS)
SHMILES	387	393	7.2	Sitehelp Miles
SHNME	394	403	10	Sitehelp Source Name
SHPCT	404	410	7.2	Sitehelp Percent of Reach Miles
SRC	411	413	3	Sitehelp Source Code
STA	414	415	2	State Abbreviation
STC	416	417	2	State Code (FIPS)
TUF	418	424	7.2	Total Utility Flow
TYPCDE	425	425	1	Type Code
UHF	426	426	1	Utility Hit Flag (Reach File)
VCDE	427	427	1	Versar Code='V'=>25K; '*'=<25K POPSVD
WFPC	428	428	1	Wellfield Precision Code
WFTYP	429	429	1	Well Type (Cassing,Artesian,Infiltration,etc.)

<u>Drinking Water Intakes File: PRWIDRIN.DBF in PRWISITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
WUN	430	449	20	Water Utility Name

The following table provides the DBASE III+ database field structures for the Water Gage database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Gage File: PRWIGAGE.DBF in PRWSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (DDMMSS)
LONGITUDE	29	37	9	Facility Longitude (DDDMMSS)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
JAN	112	118	7.2	Monthly Flow - January
FEB	119	125	7.2	Monthly Flow - February
MAR	126	132	7.2	Monthly Flow - March
APR	133	139	7.2	Monthly Flow - April
MAY	140	146	7.2	Monthly Flow - May
JUN	147	153	7.2	Monthly Flow - June
JUL	154	160	7.2	Monthly Flow - July
AUG	161	167	7.2	Monthly Flow - August
SEP	168	174	7.2	Monthly Flow - September
OCT	175	181	7.2	Monthly Flow - October
NOV	182	188	7.2	Monthly Flow - November
DEC	189	195	7.2	Monthly Flow - December
RGN	196	197	2	Region Code
AREA	198	204	7.2	Drainage Area (SQ.MI.)
DUD	205	212	8	Date of Update

Water Gage File: PRWIGAGE.DBF in PRWSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
FBCF	213	213	1	Flag - Basic Characteristic File ('Y')
FDFE	214	214	1	Flag - Daily Flows File ('Y')
FQMINV	215	224	10	IHS Pt. Files Index
GHF	225	225	1	Hit Flag (Reach File)
ICDE	226	226	1	Integrity Code
LFVEL	227	233	7.2	Low Flow Velocity
METHOD	234	236	3	Calculation Method Code
MFVEL	237	243	7.2	Mean Flow Velocity
MNFLO	244	250	7.2	USGS Mean Annual Flow
NME	251	298	48	Station Name
SHLAT	299	304	6	Sitehelp Latitude (DDMMSS)
SHLNG	305	311	7	Sitehelp Longitude (DDDMMSS)
SHMILES	312	318	7.2	Sitehelp Miles
SHNME	319	328	10	Sitehelp Source Name
SHPCT	329	335	7.2	Sitehelp Percent of Reach Miles
SITE	336	337	2	Site Location
SRC	338	340	3	Sitehelp Source Code
STCTY	341	345	5	State/County Numeric Code
SVTEN	346	352	7.2	USGS 7-10 Year Flow
BEG_WYR	353	356	4	Beginning Water Year
END_WYR	357	359	4	Ending Water Year
ELEV	361	368	8.2	Elevation (Feet)
WELL_DP	369	376	8.2	Well Depth (Feet)

The following table provides the DBASE III+ database field structures for the Water Impoundment database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Impoundment File: PRWIDAMS.DBF in PRWISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
SITEID	1	7	7	Site Identifier
SOURCE	8	10	3	Source of Data
ST1	11	12	2	Primary State Code Abbreviation
STCTY1	13	17	5	State/County Numeric Code
NAME	18	47	30	Official Name of Dam
LATITUDE	48	53	6	Facility Latitude (DDMMSS)
LONGITUDE	54	60	7	Facility Longitude (DDDMMSS)
LAT	61	70	10.6	Facility Latitude (decimal degrees, (-) below equator)
LON	71	81	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
INME	82	111	30	Impoundment Name
RNME	112	139	28	River, Stream, or Tributary Name on Which Dam Built
CUSEGMI	140	149	10	Catalog Unit, Segment, and Segment Length
REGN	150	151	2	Water Resources Council Region Code
RGBSN	152	155	4	Water Resources Region/Basin Code
CU	156	163	8	Catalog Unit
SEG	164	166	3	Reach Segment of Dam
SEGL	167	171	5.2	Reach Segment Length
PURP	172	172	1	Major Purpose of Dam
				I=Irrigation
				H=Hydroelectric
				N=Navigation
				S=Water Supply
				R=Recreation
				P=Stock/Farm Pond
				D=Debris Control
				F=Flood Control

Water Impoundment File: PRWIDAMS.DBF in PRWISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
				O=Other
FRF3	173	189	17	RF3 Reach Number Location
FRF3MI	190	194	5	Mile Point on RF3 Reach
PURPKEY	195	195	1	Purpose Key
PUR2	196	196	1	Purpose of Dam 2 (See Above)
PUR3	197	197	1	Purpose of Dam 3 (See Above)
PUR4	198	198	1	Purpose of Dam 4 (See Above)
PUR5	199	199	1	Purpose of Dam 5 (See Above)
PUR6	200	200	1	Purpose of Dam 6 (See Above)
PUR7	201	201	1	Purpose of Dam 7 (See Above)
PUR8	202	202	1	Purpose of Dam 8 (See Above)
PUR9	203	203	1	Purpose of Dam 9 (See Above)
PUR10	204	204	1	Purpose of Dam 10 (See Above)
TYPDAM	205	206	2	Major Dam Portion Type
				RE=Earth
				VA=Vaulted Arch
				CD=Buttress
				PG=Gravity
				ER=Rockfill
				MV=Multi-Arch
				OT=Other
YRCMP	207	210	4	Year Dam Completed
SHGT	211	214	4	Structural Height (Feet)
HHGT	215	218	4	Hydraulic Height (Feet)
VNORM	219	236	8	Normal Storage of Impoundment (Acre-Feet)
VMAX	227	234	8	Maximum Storage of Impoundment (Acre-Feet)
LCRST	235	239	5	Crest Length of Dam (Feet)
TSPL	240	240	1	Spillway Type
				C=Controlled

Water Impoundment File: PRWIDAMS.DBF in PRWISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
				U=Uncontrolled
				N=None
				X=Unknown
WSPL	241	244	4	Dam Spillway Width (Feet)
QMAX	245	251	7	Maximum Spillway Discharge (CFS)
PINS	252	258	7.2	Quantity of Installed Power (Megawatts)
PPRO	259	265	7.2	Quantity of Proposed Power (Megawatts)
LOCK	266	266	1	Number of Navigational Locks
OWNR	267	290	24	Name of Impoundment Owner
PFOWN	291	291	1	Ownership Code
				N=Non-Federal
				G=Federal Government Agency
				C=Corps of Engineers
				X=Unknown
FEDR	292	292	1	Federally Regulated (Y=Yes, N=No, X=Unknown)
FLND	293	293	1	Private Dam on Federal Land (Y=Yes, N=No, X=Unknown)
SCSA	294	294	1	Type of Soil Conservation Service Assistance
				N=No Assistance
				T=Technical Assistance
				F=Financial Assistance
				B=Both Technical and Financial Assistance
				X=Unknown
DHAZ	295	295	1	Degree of Downstream Hazard
				1=High (More than a Few Lives Lost; Excessive Economic Loss)
				2=Significant (A Few Lives Lost; Appreciable Economic Loss)
				3=Low (No Lives Expected Lost; Minimal Economic Loss)
DCITY	296	319	24	Nearest Downstream City

Water Impoundment File: PRWIDAMS.DBF in PRWISITE.ZIP				
Field Name	Start	Stop	Length	Field Description
POP	320	326	7	Population of Downstream City
DMILE	327	331	5.2	Distance of Downstream City From Dam (Miles)
RET	332	342	11.2	Retention Coefficient (Dimensionless)
MIX	343	353	11.2	Mixing Coefficient (Dimensionless)
SAREA	354	361	8	Surface Area of Impoundment (Acres)
SAFLG	362	362	1	Surface Area Flag (C=Calc., M=Measured, O=Other)
ILNTH	363	367	5	Length of Impoundment (Feet)
ILFLG	368	368	1	Impoundment Length Flag (C=Calc., M=Measured, O=Other)
UPKEY	369	374	6	Update Key (YYMMDD)

The following table provides the ASCII and DBASE III+ database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) attributes. The actual numeric file names will vary depending on the catalog unit(s). This information can be readily incorporated into the park's Geographic Information System.

RF3 Structure File: 12345678.RF3 and 12345678.DBF in PRWIRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
CATUNIT	1	8	8	Cataloging Unit (CU)
SEGM	9	12	4	Segment Number (SEG)
MI	13	17	5.2	Mile Point (MI)
UPMI	18	22	5.2	Upstream Mile Pt.
SEQNO	23	33	11.6	Hydro Sequence No.
RFLAG	34	34	1	Reach Flag (0,1)
OWFLAG	35	35	1	Open Water Flag (0,1)
TFLAG	36	36	1	Terminal Flag (0,1)
SFLAG	37	37	1	Start Flag (0,1)
RCHTYPE	38	38	1	Reach Type Code
LEV	39	40	2	Stream Level
JUNC	41	42	2	Level of Downstream Reach
DIVERGENCE	43	43	1	Divergence Code
STARTCU	44	51	8	Start CU
STRTSG	52	55	4	Start SEG
STOPCU	56	63	8	Stop CU
STOPSG	64	67	4	Stop SEG
USDIR	68	68	1	Upstream Direction
TERMID	69	73	5	Terminal Stream ID
TRMBLV	74	74	1	Terminal Base Level
PNAME	75	104	30	Primary Name
PNMCD	105	115	11	Primary Name Code
CNAME	116	145	30	Complement Name
CNMCD	146	156	11	Complement Name Code

RF3 Structure File: 12345678.RF3 and 12345678.DBF in PRWIRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
OWNAME	157	186	30	Open Water Name
OWNMCD	187	197	11	Open Water Name Code
DSCU	198	205	8	Downstream CU
DSSEG	206	209	4	Downstream SEG
DSMI	210	214	5.2	Downstream MI
CCU	215	222	8	Complement CU
CSEG	223	226	4	Complement SEG
CMILE	227	231	5.2	Complement MI
CDIR	232	232	1	Complement Direction
ULCU	233	240	8	Upstream Left CU
ULSEG	241	244	4	Upstream Left SEG
ULMI	245	249	5.2	Upstream Left MI
URCU	250	257	8	Upstream Right CU
URSEG	258	261	4	Upstream Right SEG
URMI	262	266	5.2	Upstream Right MI
SEGL	267	272	6.2	Reach Length (Miles)
RFORGFLAG	273	273	1	RF Orgin flag(1,2,3)
ALTPNMCD	274	281	8	Alt. Primary Name Code
ALTOWNMC	282	289	8	Alt. OW Name Code
DLAT	290	297	8.4	Downstream Latitude
DLONG	298	305	8.4	Downstream Longitude
ULAT	306	313	8.4	Upstream Latitude
ULONG	314	321	8.4	Upstream Longitude
MINLAT	322	329	8.4	Minimum Latitude
MINLONG	330	337	8.4	Minimum Longitude
MAXLAT	338	345	8.4	Maximum Latitude
MAXLONG	346	353	8.4	Maximum Longitude
NDLGREC	354	357	4	No. of DLG Records
LLIKEY1	358	367	10	Starting DLG LL Key1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in PRWIRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
LL2KEY1	368	377	10	Ending DLG LL Key1
LL1KEY2	378	387	10	Starting DLG LL Key2
LL2KEY2	388	497	10	Ending DLG LL Key2
LL1KEY3	398	407	10	Starting DLG LL Key3
LL2KEY3	408	417	10	Ending DLG LL Key3
LL1KEY4	418	427	10	Starting DLG LL Key4
LL2KEY4	428	437	10	Ending DLG LL Key4
LL1KEY5	438	447	10	Starting DLG LL Key5
LL2KEY5	448	457	10	Ending DLG LL Key5
LL1KEY6	458	467	10	Starting DLG LL Key6
LL2KEY6	468	477	10	Ending DLG LL Key6
LL1KEY7	478	487	10	Starting DLG LL Key7
LL2KEY7	488	597	10	Ending DLG LL Key7
LL1KEY8	498	507	10	Starting DLG LL Key8
LL2KEY8	508	517	10	Ending DLG LL Key8
LL1KEY9	518	527	10	Starting DLG LL Key9
LL2KEY9	528	537	10	Ending DLG LL Key9
LL1KEY10	538	547	10	Start DLG LL Key 10
LL2KEY10	548	557	10	Ending DLG LL Key10
LN1AT2	558	561	4	DLG Line Attr. 1
LN2AT2	562	565	4	DLG Line Attr. 2
AREA1	566	569	4	DLG Area ID 1
AREA2	570	573	4	DLG Area ID 2
AR1AT2	574	577	4	DLG Area Attribute
AR1AT4	578	581	4	DLG Area Attribute
AR2AT2	582	585	4	DLG Area Attribute
AR2AT4	586	589	4	DLG Area Attribute
UPDATE1	590	595	6	Update Date #1 (mmddyy)
UPDTCD1	596	603	8	Update Type Code #1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in PRWIRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
UPDTSRC1	604	611	8	Update Source #1
UPDATE2	612	617	6	Update Date #2 (mmddyy)
UPDTCDC2	618	625	8	Update Type Code#2
UPDTSRC2	626	633	8	Update Source #2
UPDATE3	634	639	6	Update Date #3 (mmddyy)
UPDTCDC3	640	647	8	Update Type Code #3
UPDTSRC3	648	655	8	Update Source #3
DIVCU	656	663	8	Divergent CU
DIVSEG	664	667	4	Divergent SEG
DIVMILE	668	672	5.2	Divergent MI
DLGID	673	678	6	DLG Number Special Use For Internal State Codes
FILLER	678	685	7	Filler: Future Use

Note: The structure for the .DBF file varies slightly from the RF3 structure displayed here in that the fields UPDATE1, UPDATE2, and UPDATE3 have a width of 8 and the last two fields, DLGID and FILLER, have been replaced with a field named ID of length 17. This ID field combines the CATUNIT, SEGM, and MI fields.

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) traces. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual hydrographic network and is suitable for conversion into a variety of Geographic Information System formats.

<u>RF3 Trace File: 12345678.TRC in PRWIRF3.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
(Header Record)				
CATUNIT	1	8	8	Cataloging Unit
SEGM	9	12	4	Segment Number
MI	13	17	5.2	Mile Point
NPTS	18	21	4	Number of Lat/Lon Coordinates
(Coordinate Record)				
LATITUDE	1	8	8.4	Latitude in Decimal
LONGITUDE	9	16	8.4	Longitude in Decimal
FILLER	17	21	5	

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) catalog unit boundary file. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual catalog unit boundary and is suitable for conversion into a variety of Geographic Information System formats.

<u>Catalog Unit Boundary File: 12345678.CUB in PRWIRF3.ZIP</u>
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDMMSS,L=DDMMSS,L=DDMMSS,L=DDMMSS,L=DDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

<u>Encyclopedia File: WRD File For Internal Use Only</u>				
Field Name	Start	Stop	Length	Field Description
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CaCO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CaCO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CaCO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CaCO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS Ca)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CaCO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED. M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT, MEMBR FILTER, DELAYED, M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT, MEMBR FILTER, IMMED, LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI, PLATE COUNT M-ENTER AGAR, 35C, 48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE), WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C, DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE, RECREATIONAL SUITABILITY @ SMPL TIME, 1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY, ACUTE 24HR (STATIC) CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT ERROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVL P
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary¹

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50 ^l	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50 ^l	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250 ^s			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0 ^u	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0 ^u	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0 [#]	PH	SU	Physical
	00403				≤6.5, ≥9.0 [#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0 [#]	PH, FIELD	SU	Physical

¹Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200"	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250 ⁸			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250 ⁸			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250 ⁸			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250 ⁸			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM, TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDEED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDEED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM, TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDEED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130 ⁺	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9 ⁺	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9 ⁺	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9 ⁺	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700 ⁺	100	10300 ⁺		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18 ⁺	1300 ^a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18 ⁺	1300 ^a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18 ⁺	1300 ^a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82 ⁺	15 ^a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82 ⁺	15 ^a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82 ⁺	15 ^a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400 ⁺	2.0	2130 ⁺		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400 ⁺	2.0	2130 ⁺		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400 ⁺	2.0	2130 ⁺		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400 ⁺	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400 ⁺	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400 ⁺	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400 ⁺	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1 ⁺	100 ^s	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1 ⁺	100 ^s	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1 ⁺	100 ^s	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1 ⁺	100 ^s	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018 ⁺	1.3 ^a	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120 ⁺	5000 ^s	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120 ⁺	5000 ^s	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120 ⁺	5000 ^s	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120 ⁺	5000 ^s	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88 ^p	6.0	1500 ^p		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88 ^p	6.0	1500 ^p		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88 ^p	6.0	1500 ^p		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9 ⁺	5.0	43		CADMIUM, TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82 ⁺	15 ^a	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18 ⁺	1300 ^a	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400 [*]	2.0	2130 [*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400 [*]	2.0	2130 [*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88 ^p	6.0	1500 ^p		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120 ⁺	5.0 ^s	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041 ⁺	0.1 ^s	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018 ⁺	1.3 ^a	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13 [*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039 ⁺	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7 ⁺	0.1	10.3 [*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082 ⁺	0.015 ^a	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4 ⁺	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4 [*]	0.002	2.13 [*]		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020 ^c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1 ⁺	100 ^s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20 ^r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000 ^r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000 ^r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000 ^r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0 ^r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0 ^r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0 ^r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT, DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20°			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20°			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20°			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020°			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20°			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200 [^]	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200 [^]	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200 [^]	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200 [^]	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200 [^]	FECAL COLIFORM, MPN, EUKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200 [^]	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126 [^]	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33 [^]	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100 ⁱ			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100 ⁱ			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100 ⁱ			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100 ⁱ			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100 ⁱ			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100 ⁱ			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100 ⁱ			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100 ⁱ			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1 ⁱ			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100 ⁱ			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100 ⁱ			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100 ⁱ			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100 ⁱ			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100 ⁱ			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900*	100 ⁱ			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900*	100 ⁱ			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100 ⁱ			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100 ⁱ			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270*				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270*				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270*				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0 ^P	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0 ^P	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40 ^c			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40 ^c			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40 ^c			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30 ^P		7.7 ^P		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30 ^P		7.7 ^P		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30 ^P		7.7 ^P		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0 ^P	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0 ^P	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90 [*]		32 [*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9 ⁺	5.0	43		CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18 ⁺	1300 ^a	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82 ⁺	15 ^a	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1 ⁺	100 ^s	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120 ⁺	5000 ^s	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3, LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWN AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
16887006	70352	860	250 ^s			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY,TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9 ⁺	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82 ⁺	15 ^a	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120 ⁺	5000 ^s	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18 ⁺	1300 ^a	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700 [*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100 ^P		240 ^P		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440 [*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250 ^b			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20°			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18 ⁺	1300 ^a	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal
7440020	81752	1400 ⁺	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440666	81754	120 ⁺	5000 ^s	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000 [*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120 ⁺	5000 ^s	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82 ⁺	15 ^a	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9 ⁺	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18 ⁺	1300 ^a	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120 ⁺	5000 ^s	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18 ⁺	1300 ^a	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120 ⁺	5000 ^s	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50 ^l	TURBIDITY, FIELD	NTU	Physical
	82079				50 ^l	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000 ^s			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide

Footnote Key:

*Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

†Hardness Dependent Criteria (100 mg/L CaCO₃ Used).

***pH Dependent Criteria (7.8 pH Used).

‡Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

^Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

#EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

!Arizona state standard.

ªEPA action level, 40 CFR 141.80.

ªCalifornia and Florida state bathing water standards.

ªA Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

ªTotal coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

ªProposed Criterion.

ªAverage annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

ªEPA National Secondary Drinking Water Regulation, 40 CFR 143.

ªThe maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

ªColdwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA) Servicewide Inventory and Monitoring Program "Level I" Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	Flow Parameter Group¹	C.A.S. Number
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

¹Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-
STORET Code	Conductivity Parameter Group	C.A.S. Number
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-
STORET Code	Dissolved Oxygen Parameter Group	C.A.S. Number
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447
STORET Code	pH Parameter Group	C.A.S. Number
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (μ EQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CaCO_3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CaCO_3)	471341
00435	ACIDITY, TOTAL (MG/L AS CaCO_3)	471341
00440	BICARBONATE ION (MG/L AS HCO_3)	71523
00445	CARBONATE ION (MG/L AS CO_3)	3812326
STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONIZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH_4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH_4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO_3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO_3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO_2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO_2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140
STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-
STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00969	CHRYSTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER, TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYL VINYL ETHER, WATER, WHL, RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROQUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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